

our ref.370/lmv

Dr.Arthur L.Glasebrook,
Research Dept.,
Hercules Inc.,
Wilmington, Delaware 19899 (U.S.A.)

Dear doctor Glasebrook:

Thank you for your kind letter of June 2. I regret informing you that by now copies of my lecture are not available.

As it will be impossible for me to go to Dornbirn, my lecture will be read by my co-worker, dr.Compostella.

As soon as preprints of my talk will be available, which, according to my request, should arrive with the galley-proofs, I will send you one copy.

Hoping that an opportunity will arise for us to meet in the future, I send you kindest personal regards.

Giulio Natta

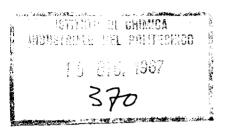
Medito 10/7/67



HERCULES INCORPORATED

RESEARCH DEPARTMENT . WILMINGTON, DELAWARE 19899 . TELEPHONE 302-656-9811

June 2, 1967



Prof. Dr. G. Natta Via Mario Pagano Milano, Italy

Dear Professor Natta:

It was recently brought to my attention that you will present a paper at the Manmade Fiber Congress in Dornbirn, Austria, this month. Unfortunately, however, I will be unable to attend this Congress, much as I would have liked to hear your presentation.

In view of the great interest in the topic of your talk, would you please send us a copy or reprint of it, if and when this becomes available?

I truly regret missing the chance of seeing you. Let us hope it will not be too long before another opportunity to meet again will present itself!

With best wishes and kind regards,

Sincerely yours,

Johns gloelu Arthur L. Glasebrook

t/

MONTECATINI

Società Generale per l'Industria Mineraria e Chimica – Anonima – Capitale versato L. 180 miliardi

Sede in Milano Largo Guldo Donegani 1-2

SETTORE STUDI PROGETTAZIONI E BREVETTI
SERVIZI BREVETTI

MILANO, 23 Settembre, '64

Télégrammes - Cables : GABBROBREV - MILANO Telex : 31-415 - GABBRO (begin message with : BREV)

Ch.mo Signor
Prof. Giulio NATTA
Direttore
Istituto Chimica Industriale
Politecnico di Milano

Cortelly

Caro Professor Natta,

Accordi con Hercules

come promesso, Le trasmetto le copie delle lettere di cui abbiamo fatto cenno nel nostro colloquio di ieri sera.

Colgo l'occasione per ringraziarLa delle cortesi e lusinghiere espressioni di cui alla sua lettera del 2/7 u.s.

PregandoLa di gradire i miei migliori saluti.

<u>all/</u>

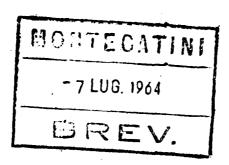
Sur faklante

Please reply to: MONTECATINI - BREV - Largo Guido Donegani 1-2 - Milano (Italy)



ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO PIAZZA LEONARDO DA VINCI, 32 - MILANO

ns.rif.N.2050/rl



MILANO, 2.7.1964

FELEF. 292.125 - 292.126
292.105 - 106 - 107

_ _ _ _ _

Egr. Dr. Ing. G; de Varda Servizio Brevetti Società Montecatini

Sede

Caro Ingegnere,

La ringrazio molto della Sua gentile lettera del 23 u.s. (dV/O/ma) e delle notizie che mi ha inviato sugli accordi con Hercules.

Desidero farLe anche i miei rallegramenti per i risultati raggiunti, che ritengo favorevoli alla Montecatini, anche perchè gli impegni Montecatini per l'utilizzazione di brevetti Hercules sono molto modesti in confronto con quelli che Hercules si assume rispetto a Montecatini, anche tenuto conto della maggiore importanza dei brevetti Montecatini rispetto a quelli Hercules.

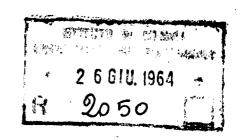
Molti cordiali saluti.

Giulio Natta

SERVIZI BREVETTI

dV/O/ma

Sig.
Prof. Giulio NATTA
Direttore
Istituto Chimica Industriale
Politecnico di Milano



Caro Professor Natta,

Accordi con Hercules

Mi riferisco alla Sua lettera del 16 m.c. con la quale Ella mi chiede copia dei contratti Montecatini/Hercules.

Le premetto subito che l'incarto è molto voluminoso e poco maneggevole, e per il momento siamo rimasti sprovvisti di copie; ho comunque disposto che detti documenti vengano subito messi in fotocopia, ma ci vorrà qualche giorno prima che essi siano pronti.

Nel frattempo Le riassumo qui di seguito i dati essenziali inerenti a detti accordi: essi riguardano, per brevetti con priorità a tutto il 1/1/64:

- il polipropilene plastico,
- il film di polipropilene,
- il polipropilene per fibre,
- le fibre di polipropilene,
- gli Heavy Monofilaments,
- le esportazioni Hercules in Canada di polipropilene polimero e film,
- la licenza per l'Italia sui brevetti Hercules nel campo del polipropilene (idrogeno)
- l'impegno Hercules a concedere analoghe licenze ai licenziatari di Montecatini nel mondo (escluso Germania e U.K.) che accettino la condizione del "grant-back" dei loro brevetti.

REPVIZI RREVETTI

1) Polipropilene -

La licenza sul polipropilene plastico (e per il polimero per film e per fibre), prevede per Hercules i seguenti pagamenti:

- niente down payment,
- una running royalty del 3,85% sui primi cinque milioni di dollari "of yearly sales and/or uses of commercial polypropylene polymer",
- una running royalty del 3,36% sui successivi cinque milioni di dollari anno.
- una running royalty del 2,87% oltre i dieci milioni di dollari/anno

col limite tuttavia di una floor royalty al di sotto della quale non si può scendere.

2) <u>Film -</u>

Per quanto riguarda il film, oltre alla royalty di cui sub 1) per il polimero, Hercules paga 1,5 cent per pound di polimero per film venduto da Hercules o usato da Hercules, col limite tuttavia del 2% al massimo sul valore del Film.

3) Fibre e Heavy Monofilaments -

Le condizioni relative al contratto fibre sono le seguenti:

- capacità produttiva dell'impianto: 15.000 short T/anno.
- down payment di 1.544.000 U.S. dollari,
- per le fibre escluso monofili superiori ai 40 denari running royalty del 3,7% sul Net Sales Price del filato fino a first selling ecc..
- per i monofili superiori ai 40 denari (heavy Monofilaments) 2,2 cents/pro pound di polipropilene per heavy monofilament venduto o usato da Hercules;

SERVIZI BREVETTI

4) Esportazioni Hercules in Canada -

Per quanto riguarda le esportazioni in Canada, Hercules paga:

- una royalty del 3.85% sul Net Sales Price di tutto il polipropilene per usi plastici da essa fabbricato in USA. e
- una royalty del 2% sul Net Sales Price del Film da essa fabbricato in USA e da essa esportato in Canada

5) Licenza sui brevetti Hercules a Catini ecc. -

Per lo sfruttamento dei brevetti Hercules nel campo del polipropilene, datici in licenza per l'Italia, Montecatini paga a Hercules:

- 0,42% del Net Sales Price del polimero di polipropilene prodotto in base a un solo brevetto Hercules,
- 0,14% se i brevetti Hercules usati sono đuê,
- 0,14% se i brevetti Hercules usati sono tre o più,

oltre a un pagamento una tantum di US\$ 25.000 che compensa anche l'impegno assunto da Hercules di concedere licenze ai licenziatari Catini ;

6) Decurtabilità per il caso di Dominating Patents di terzi -

- per il contratto di cui sub 1): 50% del compenso corrisposto al terzo ma non oltre il 50% della royalty corrente dovuta al licenziante,
- idem per il contratto di cui sub 5),
 - per il contratto di cui sub 3): 1/3 del compenso corrisposto al terzo ma non oltre 1/3 della royalty corrente dovuta al licenziante.

7) <u>Altre clausole -</u>

I contratti prevedono le solite clausole inerenti all'arbitrato, infringment, assignability, segretezza dei contratti anche per quanto concerne dati parziali, ecc.

MONTECATIN

SERVIZI BREVETT

Per quanto riguarda eventuali altri contratti stipulati da Montecatini nel campo del polipropilene, La informo che, a parte gli accordi Monteshell per l'Italia, dopo i contratti Hercules non abbiamo firmato alcun altro accordo. Ci sono però in corso numerose trattative (Esso per gli EPR ed EPT; Shell USA per i plastici e le fibre; Rexall, Phillips, Dunlop per i copolimeri, ecc.) che ritengo potranno concludersi positivamente: alcune forse ancora entro il corrente anno, altre invece in proseguio di tempo trattandosi di trattative particolarmente complesse, difficili e che coinvolgono vari interessi.

PregandoLa di gradire i miei migliori

Luv

saluti.

- fale lands

Egr. Dr. Ing. G. davarda
Servizio Brevetti
Società Montecatini
S. e. d. e.

Caro Ingegnere,

ho appreso con piacese l'accordo tra Montecatini ed Hercules Powder che Lei ha concluso.

Le sarei grato se Lei potesse inviarmi copia di tale accordo e dialtri che la Montecatini avesse concluso fuori d'Italia.

Molti cordiali saluti.

(Prof. G. Natta)

CHEMORE CORPORATION

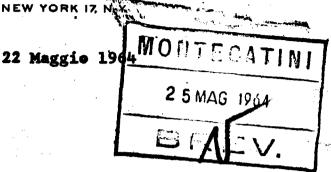
TELEPHONE YUKON 6-7575

TEGUNISAL DEPARTMENT

100 EAST 42ND STREET NEW YORK IT NEX

"GASEROUSA"

Spett. Montecatini Soc. Gen. DIIB/Brev Largo G. Donegani 1-2 Milano, Italy.



c.p.c.: Servizio Stampa e Pubblicita!

Oggetto: Accordo Montecatini-Hercules.

Accluse rimettiamo copie delle "press releases" che sono state inviate secondo le Vostre istruzioni agli editori dei periodici e dei servizi indicati nell'accluse elenco.

Copia ne e' stata inviata a Mr. Burslem, Manager delle Public Relations della Hercules col quale il sottoscritto ha preso contatto.

Anche per suggerimento di Mr. Burslem abbiamo lasciato la indicazione "For immediate release" nella press release per gli Stati Uniti dato che avendole impostate il giorno 20 sono pervenute il 21 ai quetidiani che quindi le avrebbero pubblicate il 22.

Provvederemo ad inviarvi fotocopie dei "Clippinge".

Con i migliori saluti.

Marie L. Ottolenghi.

19. L. OK

All.

MLO/mm

CHEMORE CORPORATION

THE REPORT OF THE PARTY OF THE

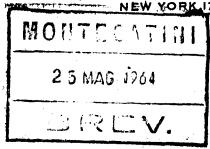
TELEPHONE YUKON 6-7575

IOO EAST 42ND STREET

CABLE ADDRESS

Public Relations Department

Harriet K. Lerner



FOR IMMEDIATE RELEASE

(preferably on May 25, '64)

MONTECATINI AND HERCULES SIGN AGREEMENT ON POLYPROPYLENE

Montecatini Corporation of Milano, Italy and Hercules Powder Company of Wilmington, Delaware, U.S.A., jointly announced today the non-exclusive licensing of Hercules under Montecatini's patents for the sale of polypropylene in Canada.

"Pro-Fax", Hercules polypropylene, will be sold by Canadian Industries Limited, acting as exclusive distributor of Hercules polypropylene on the Canadian market.

New York - May 22, 1964

CHEMORE CORPORATION

Public Relations Department

Harriet K. Lerner

HOENERATHER SECTION OF THE REAL PROPERTY OF THE PROPERTY OF TH 25 MAG 1964 100 EAST 42ND STREET NEW YORK IZ NEY FOR IMMEDIATE RELEASE

MONTECATINI AND HERCULES SIGN AGREEMENT ON POLYPROPYLENE

Montecatini Corporation of Milano, Italy, and Hercules Powder Company of Wilmington, Delaware, U.S.A., announced jointly the signing of several nonexclusive patent license agreements with respect to polypropylene.

ontecatini and Hercules are the world's largest producers of polypropylene and have independently pioneered the development of this important new polymer and of its uses in the fields of plastics, films and fibers, in Italy and in the United States.

The signing of these agreements between the two leading factors in polypropylene should further clarify the polypropylene patent situation in the United States. In late 1963 basic patents on the polymer were issued in the United States to Professors Natta, Pino and Mazzanti, assignors to Montecatini. Said patents are now licensed to Hercules. The license taken by Hercules includes the production and sale of polypropylene plastics as well as of polypropylene films and fibers in the United States. At the same time Montecatini and its Italian and United States subsidiaries are taking a license under Hercules patents.

Hercules has for several years held and still holds a license under Prof. Ziegler's U.S. patents and patent applications relating to polypropylene.

New York - May 20, 1964

J₁₂1y 25, 1956

Mr. Warvey J. Taufen Director of Development Synthetics Department Hercales Powder Company WILMOTON Sy, Delaware, U.S.A.

Dear Dr. Taufen,

I on sorry that my busy trip through the States did not permit me to write to you before my coming back to Italy, and to thank you very much for your kindness.

nppreciate you as "Chairman" at the Gordon Conference. The Participatio to the meeting in New Mampton and in New London has been for me an experience of very high interest. I have been very glad to make the acquaintance of the fine people of the Mercules Powder in Wilmington, who has been so kind with us, and please, give our best regards to all them.

It has been also a great pleasure for me to visit your beautiful laboratories and to be informed about some very interesting works you carried out in the polymers field.

With my best thanks together with my wife's thanks and regards to you and Mrs. Taufen, I remain,

Very sincerely yours,

Ciulio Natta



RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

June 20, 1956

Dear Professor Natta,

Welcome to Wilmington. I am sure you and Mrs. Natta have enjoyed your visit with du Pont and we at Hercules will try to give you just as fine a reception.

Tomorrow morning at 8:30, Thursday, Dr. Cairns, our new Director of Research, and I will meet you and Prof. Pino at the Hotel du Pont and take you to our Research Center for the discussions with our technical staff. Mrs. Taufen will pick up Mrs. Natta at the hotel and take care of her during the day. I believe Mrs. Taufen has already contacted Mrs. Natta directly on this.

Dr. Gilbert of du Pont told me that you thought it would be easier to remain at the hotel Thursday night than it would be to pack and go to our Guest House just for one night. We can appreciate your feelings in this, and readily agree with your suggestion.

I am looking forward to meeting you again and hope you have an enjoyable visit with us.

Sincerely,

Archur L. Glasebrook

ALG: jmv



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

WILMINGTON 99, DELAWARE

U. S. A.

CABLE ADDRESS: HERPOCO

May 15, 1956

Prof. Giulio Natta Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta,

It was a great pleasure to visit with you in Milano and to discuss your interesting work on the polymerization of olefins and the synthesis of succinic acid. I was only sorry my visit was so short.

I do not know if Prof. Mark told you about our discussions in Milano regarding your American trip. Prof. Mark was very agreeable to my suggestion that we drive you from New York to New Hampshire for the June 11-15 conference on "Organic Reactions" and then to return you to New York. These arrangements have now been completed with Prof. Mark and Dr. Taufen who is chairman of the conference will drive you. Dr. Taufen, who speaks German, will be accompanied by our Dr. Albert, who speaks some Italian.

In Milano, Prof. Mark also mentioned that after your Hercules visit June 21, you had several free days. I told Prof. Mark we would like to have you for more than one day and that we would be glad to assist you in your visit to Washington. However, Prof. Mark's itinerary shows you visiting Hercules only on June 21 and then the next three days sightseeing in Washington. I believe you can profitably spend more than one day at Hercules and suggest your visit be extended to include Thursday, June 21, and Friday, June 22, at Mercules. On Friday, June 22, one of our consultants. Prof. C. C. Price, who has been doing work on propylene oxide polymerization will visit us in Wilmington. I am sure you would like to meet him.

So far as your trip to Washington is concerned, we would like to drive you there and, if you would like, we can arrange to show you around the city.

As we told you in previous correspondence, we have made reservations for you at the Hercules Guest House for

fun



HERCULES POWDER COMPANY

Prof. Giulio Natta

- 2 - May 15, 1956

your Wilmington visit. I am sure you will find it a delightful and restful place.

I am sending a copy of this letter to Prof. Mark and will also write him directly about the arrangements for your visit.

We are all looking forward to your visit.

Sincerely yours,

ALG:jmv

Arthur L. Glasebrook

potertyleselus

CC: Prof. Herman Mark New York

P.S. If you are accompanied by a colleague, the facilities of our Guest Mouse are also extended to him.

Dr. Arthur L. Glasebrook
Research Department
Hercules Powder Company
WILMINGTON 99, Delaware, USA

Dear Mr. Glasebrook,

Many thanks for your kind invitation to do with Dr. Taufen my trip from New York to New Hampshire for the Conference on "Organic Reactions" of June 11-15.

I shall be very glad to meet Prof.Price at Wilmington, but I wish to inform you that I fear to be obliged probably to leave Wilmington on June 22 in the afternoon. I shall be more precise as soon I shall arrange my definitive schedule, but I assure your that I shall do all my best to remain because I am very interested in seeing Prof.Price, and also your program of sightseeing in Washington is very pleasant.

I thank you also for the hotel reservation you kindly made for us.

With my kindest regards, I remain,

Very sincerely yours,

Giulio Natta



SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

WILMINGTON 99 DELAWARE

April 13, 1956

Prof. Dr. Giulio Natta Institute of Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

Thank you for your kind letter of April 6. I note again that the title of your paper will be "Stereospecific Polymerisations of Unsaturated Hydrocarbons", and I will do what I can to see that the program is changed accordingly.

Prof. Carlin, who is chairman of the conference on Organic Reactions and Processes, has sent you the application forms and requests ${\cal U}$ for reservation at the Conference, and I trust that you have them by now. I have also asked Prof. Carlin to send a similar set of reservation forms to Prof. Pino. While we will not be able to offer Prof. Pino a stipend, I can arrange to have his expenses paid while in attendance at the Conference if he so desires. I am writing to Prof. Pino to inform him of this situation.

Dr. Glasebrook informed me that you will be staying in Brooklyn the week before the Conference. If it is agreeable to you, I would be very happy to pick you up by auto (along with Prof. Pino if he is there) early Sunday morning the week of the Conference. In this way, we can look forward to a pleasant drive to New Hampton. I will also be happy to drive you back to Brooklyn at the end of the week.

I hope these arrangements will be agreeable to you. I am looking forward to seeing you soon.

Sincerely yours,

Harvey of Taufen Director of Development

HJT:cfg

SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

March 27, 1956

Prof. Dr. Giulio Natta Institute of Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

I am sorry that your travel plans did not permit us to get together in Basle. However, I am looking forward to seeing you in New Hampton in June.

Dr. Glasebrook told me that your associate, Dr. Pino, is also planning to visit the U.S.A. about this time. It could be possible that Dr. Pino would enjoy attending the conference also. If this is the case, I would be happy to take care of the details in arranging a reservation for Dr. Pino. This will probably be necessary since the conferences are limited in attendance.

Your own arrangements as well as the payment of your expenses while in attendance at the conference, of course, are already being handled. I have a check for \$500 which covers the stipend from the AAAS. I can either mail this check to you or hold it for you until your arrival in this country. Would you please let me know your wishes in this matter.

I hope you have a pleasant journey, and I will look forward to seeing you soon.

Very truly yours,

Harvey J. Taufen

Director of Development

HJT:cfg

Dur.

7314

Dr. Harvey J. Raufen
Director of Development
Synthetics Department
HERCULES POWDER COMPANY
Wilmington 99 - Delaware - USA

Dear Dr. Taufen,

Many thanks for your kind letter of April 13. I have just now received the request fot reservation from Prof. Carlin, chairman of the Conference on Organic Reactions and Processes. I thank you very much for your interest about the Prof. Pino's attendance at this Conference.

Many thanks also for your very kind offer to go with you to New Hampton. As Prof. Mark has already do my a program for my staying in the U.S.A. and for my travels, I beg you to get in touch with him to arrange my travel from Brooklynto New Hampton, if it has not yet done.

Looking forward to seeing you, with my best regards, I remain

Very sincerely yours,

Giulio Natta

406 F

April 6, 1956

Dr. Harvey J. Taufen
Director of Development
Synthetics Department
Hercules Powder Company
WILMINGTON 99 - Delaware - U.S.A.

Dear Dr. Taufen,

I was sorry not to be able to meet you in Basle, But Dr.Stirneman certainly let you know that I was obliged to go to Rome for a reunion of the Consiglio Nazionale delle Ricerche.

Many thanks for your kind letter of March 27, and for the enclosed program of the Gordon Research Conferences. In the program of the Gordon Conference on "Organic Reactions and Processes" (11-15 June), I observed that my conference is indicated as:

"Isotaetic Polymers"

but in my letter of December 17, 1955, I proposed to you to modify the title as follows:

"STEREOSPECIFIC POLYMERISATIONS OF UNSATURATED HYDROCARBONS"

because I shall give the conference entitled "Isotactic Polymers" at the Gordon Conference on High Polymers. I think, indeed, that the second conference will be more interesting for organic chemists than the first on isotactical polymers.

Many thanks also for the information concerning the stippend that AAAS give me, and I should be very grateful if you may hold it for me until my arrival in Wilmington.

In regard to Prof. Pino's visit in U.S.A., he will be very glad to attend the conferences and I am looking for an Italian contribution for hi expenses. As I think that Prof. Pino will obtain this contribution he will be very glad to come to the U.S.A.

Looking forward to seeing you in U.S.A., I send you my best wished.

Very sincerely yours,

Giulio Natta

P.S. - I already received an application form and a request for reservation for the Gordon Conference on High Polymers, and a request for reservation for the Gordon Conference on Elastomers, but, till now, I do not receive anything for the Gordon Conference on Organic Reactions and Processes.



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

Aur.

WILMINGTON 99, DELAWARE U. S. A.

CABLE ADDRESS: HERPOCO

March 8, 1956

Prof. G. Natta Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta,

A situation just developed which necessitates my leaving for Europe the latter part of next week. While I am in Europe, I would, of course, like to come to Milano and visit you at your Institute. I expect to be in Italy Monday and Tuesday, March 26 and 27, and would like to see you at that time. Tuesday would probably be better.

If such a visit would not be possible, I would appreciate being informed by telegraph here in Wilmington by March 15.

I am looking forward to seeing you again and I am sorry that my hurried travel plans did not permit me to write to you sooner.

Sincerely yours,

Anter Hylorelus

Arthur L. Glasebrook

ALG: jmv



SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE February 17, 1956

Prof. Dr. Giulio Natta Institute of Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

Dr. Stirnemann has written me that March 14 is not a convenient date for our visit to Basle, and has suggested the following day, Thursday, March 15, as an alternative.

In order to meet with Dr. Stirnemann, by 9:00 a.m., we now plan to arrive in Basle by train from Frankfurt late in the evening of March 14. We will be flying from Zurich to New York late in the afternoon of March 15.

This should permit ample time for our discussions, and I shall look forward to seeing you at that time.

Very truly yours,

Harvey J. Taufen

Director of Development

HJT:cfg

299 A.

Synthetics Department

HERCULES POWDER COMPANY - WILMINGTON 99 - Delaware

February 17, 1956

Prof. Giulio Natta
Politecnico di Milano

Dear Professor Natta,

Dr. Stirnemann has written me that March 14 is not a convenient date for our visit to Basle, and has suggested the following day, Thursday, March 15, as an alternative.

n order to meet with Dr. Stirnemann by 9.00 a; m., we now plan to arrive to Basle by train from Frankfurt late in the evening of March 14. We will be flying from Zurich to New York late in the afternoon of March 15.

This should permit ample time for our discussions, and I shall look forward to seeing you at that time.

Very truly yours,

f. to

Harvey J. Taufen Director of Development

Wilder Herrow and



SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

WILMINGTON 99 DELAWARE

February 13, 1956

Prof. Dr. Giulio Natta Insitute of Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

Thank you for your letter of February 7.

Up until now I have not heard from Dr. Stirnemann, but I hope that the suggestion of Wednesday, March 14 in Basle will be convenient to him also. Our travel plans are rather tight; in fact, we must leave Zurich by air the afternoon of March 14. Consequently, it will be inconvenient for us to visit Milan on this trip. I would appreciate the opportunity of visiting your laboratory sometime later this year, however.

I shall look forward to seeing you in March. Best personal regards.

Very truly yours,

Harvey J. Taufen
Director of Development

HJT:cfg



SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 · DELAWARE

February 2, 1956

Prof. Dr. Giulio Natta Institute of Chemistry Politecnico di Milano Milano, Italy

Dear Prof. Natta:

As you know, Mr. Paul Johnstone of the Synthetics Department of Hercules Powder Company has been in contact with Dr. Stirnemann of Lonza regarding our possible interest in the rights to your interesting process for succinic acid. As a result of some organizational changes, Mr. Johnstone has assumed the position of Director of Development in the Cellulose Products Department, and I now have Mr. Johnstone's former position.

In following up our interest in succinic anhydride, Mr. Henry Thouron, who is General Manager of the Synthetics Department, and I plan to visit Dr. Stirnemann in Basle on March 14. Our schedule is rather tight as we will fly back out of Zurich late in the afternoon of March 14, but I thought perhaps the opportunity might exist for us to meet you during our visit with Dr. Stirnemann. We would be glad to reimburse you for the expenses incurred in your trip to Basle.

It would be pleasant to meet you in March as it would be a prelude to the week we shall be spending together in New Hampshire early in June when you address the Gordon Research Conference.

I hope this proposal meets with your approval and that I can look forward to seeing you next month.

Very truly yours,

Harvey J Taufen

Director of Development

HJT:cfg

cc: Dr. Ernst Stirnewann Lonza Electric & Chemical Works Basle, Switzerland 183 A

February 7, 1956

/w

Mr. Harvey J. Taufen
Director of Development
Synthetics Department
Hercules Powder Company
WILMINGTON 99, Delaware, U.S.A.

Dear Mr. Taufen,

I received your kind letter of February 2, and I shall be very pleased to meet Mr. Touron and you during your travel to Europe.

I have just now written to Dr. Stirnemann to make an arrangement for your meeting in Basle or in Milan, if Lonza Co. think it may be better.

I am very glad to meet you in March, also because I should like to have some information concerning the Gordon Cenferen Conferences, and, above all, about the style or character you think it is better for my lecture, in regard to the people who will attend the Conference.

Looking forward to seeing you next month, I send you my best personal regards.

Very truly yours,

Giulio Natta

January 9, 1955

Mr. E. J. LaPorte Hercules Powder Company WILMINGTON 99, Delaware, U.S.A.

Dear Mr. LaPorte.

On my return to Milan from holidays, I found the Part III of "Cellulose and Cellulose Derivatives", edited by Emil Ott and Harold M. Spurlin, you sent to me very kindly.

I appreciated very much this book that completes the volume, very interesting for me.

Thanking you very much, I send you my best regards,

Very truly yours.

G. Natta

25. Please present my best thicks also to We let with my fermed regards -

Research Department

HERCULES POWDER COMPANY - Wilmington 99, Delaware

September 9, 1955

Professor G. Natta Director of Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano - Italy

Dear Professor Batta:

As you realize, your work on olefin polymerization has attracted the attention of chemists all over the world. The ingenuity of your experimental approach and the unusual results you have achieved certainly deserve the highest praise. Many acientists in this country have expressed the desire to hear you discuss your work in person and to talk with you about it. Monsequently, as & Chairman-elect of the Gordon Research Conferences on "Organic Reactions and Processes", I would like to invite you to present your results next summer. The conference will be held at ****
New Hampton, New Hampshire during the week of July 16, 1956.

As you know, the Gordon Research Conferences are sponsored by the America Association for the Advancement of Science (A.A.A.S.). Paper are by invitation and the attendance is restricted to about one hundred scientists. However, these include representatives of all the larger chemical companies as well as professors from the leading universities. The conference lasts for five days and there are usually two talks each morning and one each evening. Ample time is provided for discussion of each talk. The afternooms are left free to allow the scientists to become better acquainted and discuss their interests in a relaxed atmosphere in the hear hearth of the New England vacation land.

The A.A.A.S. will be able to pay your expenses while in attendant ce at the donference and can procide a stipend of five hundred dollars (\$ 500.00) to aid in defraying your traveling expenses. In view of the interest of my own Company in your work I also extend an invitation to speak to our scientists at the Hercules Experiment Station. We offer a stupend of two hundred dollars (\$ 200.00) for this.

While we are most anxious to hear you, in the event that you may not see your way clear to present your work personally, we would consider the possibilaty of one of your associates representing your laboratory and your work at this meeting.

Since program arrangements; should be complete by December I wan would appreciate an early reply.

Dr.Ott and Dr.Gasebrook wish to be remembered to you and join me in hoping you can accept this engagement.

Very truly yours,

f. to

Harvey J. Taufen, Manager Synthetics Research Division

Mr.Emdl Ott, Director of Research Hercules Powder Company Wilmington 99, Delaware, U.S.A.

Dear Mr. Ott,

I received the copy of your very interesting books on "Cellulose and Cellulose Derivatives" and I wish to thank you very much for your kindness.

I hope to see you in Zurich, where I shall stay at the Hotel Plaza from 20 July.

With best regards, I remain,

Very sincerely yours,

Giulio Natta



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

WHEMTHGTON 99, DELAWARE

CABLE ADDRESS: HERPOCO

June 17, 1955

Prof. Dr. Giulio Natta Director Institute of Chemistry Politecnico di Milano Milano, Italy

Dear Prof. Natta:

When we talked with you in your office in Milano on June 3, you told us that in your oxidation work you had found conditions where cumene can be oxidized in 30% conversion to give a 99% yield of hydroperoxide. You asked whether in our opinion a yield of this magnitude was exceptionally high and something out of the ordinary. You will recall that I replied that I was not enough of an expert on this specialized subject to answer this question, but that upon my return to Wilmington I would discuss this with some of our chemists working in this field.

Our oxidation experts say that a yield of 99% is indeed very good; however, it is not exceptional. They have worked under conditions where yields of this magnitude, or even slightly better, are obtainable. However, they do not consider the conditions suitable for commercial operation so that in the plant we sacrifice somewhat on yield in order to operate with the most economical process and one which works well technically.

I hope this answers your question. If not, let me know when we see each other in Zurich.

Yours sincerely,

Emil Ott

Director of Research

EO: jbc

HERCULES POWDER COMPANY - Wilmington 99. Delaware, U.S.A.

Prof. &r. Giulio Natta Director Institute of Chemistry Politecnico di Milano Milano, Italy



June 14, 185,5

Dear Professor Natta:

Dr. Glasebrook and I have just returned to our office after a very pleasant flight back from Rome. We both enjoyed very much meeting wit you in Milano and again in Rome.

I am sending you under separate cover by air freight a copy of "Cellulose and Cellulose Derivatives" in line with our recent discussion.

Since our return we have discussed your process for the manufact re of succinic acid from acetylene with one of our operating departments. They have expressed an interest in both examining the process in more deac tail and discussing the possible acquisition of American rights. It is my understanding from you that discussions of this type should be held with Lonza. and we would appreciate your advise as to the proper individual in Lonza with whom Hercules Powder could initiate such discussions. Mr. Paul Johnstone, Director of Development, Synthetics Department, Hercules Powder Company, Wilmington Delaware, will be in Europe in connection with other business in the near future. Your reply might not reach him here. Hence we would like to suggest that you send your answer to him c/o Breidenbache: Hof, Dusseldorf, Germany, where he will be from June 27 to June 30. He is holding open the week beginning Judy 4 for a visit to Lonza at Basel. XXI Switzerland, pending your reply. If you will send me a copy of your reply at my Wilmington address, this will be helpful in the event your letter should not reach him in Europe.

Dr. Glasebrook and I certainly enjoyed our various discussions wi with you on your very interesting work. You and your Institute are to be congratulate for your most excellent investigations. We both look forward eagerly to hearing your talks on your polymer work in Zurich at the International Congress. I will be staying at the Hotel Baur au Lac, starting July 19, whereas Dr. Glasebrook will be at the Hotel Eicher, starting the same date. In the meantime, we remain with best regards

Sincerely yours

Emil Ott Director of Research

EO/kcc

CC: Mr. P. L. Johnstone

P.S. Parks I and II are being sent to you now. However, Part III will not be published until late this summer, when it will be forwarded to you.



Mr. Emil Ott, Director of Research Hercules Powder Company Wilmington 99, Delaware, U.S.A.

CC: Mr.P.L. Johnstone

Dear Mr. Ott,

I received your kind letters of June 14 and 17, and I am waiting for the copy of "Cellulose and Cellulose Derivatives" you kindly esent me.

I, informed the Montecatini about our conversations in Milan and in Rome, and about the work you are carrying out in the field of the alpha-olefins polymerization.

Last week I wrote to the Lonza about succinia acid and today I received their reply. Doctor Stirnemanneof the Lonza will be in Milan tomorrow to examine this matter. I shall propose to the Lonza to build a pilot plant in Switzerland for the production of succinia acid applying the results of our laboratory researches. It is possible that our interest may have an influence for a more rapid execution of pilot plant by the Lonza.

I am looking forward to meet you and Dr. Glasebrook again in Zurich, where I shall stay at the hotel Plaza.

With best regards also for Dr. Glasebrook, I remain,

Very sincerely yours,

Giulio Natta



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

Just cita

WILMINGTON 99, DELAWARE

U. S. A.

CABLE ADDRESS: HERPOCO

June 14, 1955

Prof. Dr. Giulio Natta Director Institute of Chemistry Politecnico di Milano Milano, Italy

Dear Prof. Natta:

Dr. Glasebrook and I have just returned to our office after a very pleasant flight back from Rome. We both enjoyed very much meeting with you in Milano and again in Rome.

I am sending you under separate cover by air freight a copy of "Cellulose and Cellulose Derivatives" in line with our recent discussion.

Since our return we have discussed your process for the manufacture of succinic acid from acetylene with one of our operating departments. They have expressed an interest in both examining the process in more detail and discussing the possible acquisition of American rights. It is my understanding from you that discussions of this type should be held with Lonza, and we would appreciate your advice as to the proper individual in Lonza with whom Hercules could initiate such discussions. Mr. Paul Johnstone, Director of Development, Synthetics Department, Hercules Powder Company, Wilmington, Delaware, will be in Europe in connection with other business in the near future. Your reply might not reach him here. Hence we would like to suggest that you send your answer to him c/o Breidenbacher Hof, Dusseldorf, Germany, where he will be from June 27 to June 30. He is holding open the week beginning July 4 for a visit to Lonza at Basel, Switzerland, pending your reply. If you will send me a copy of your reply at my Wilmington address, this will be helpful in the event your letter should not reach him in Europe.

Dr. Glasebrook and I certainly enjoyed our various discussions with you on your very interesting work. You and your Institute are to be congratulated for your most

excellent investigations. We both look forward eagerly to hearing your talks on your polymer work in Zurich at the International Congress. I will be staying at the Hotel Baur au Lac, starting July 19, whereas Dr. Glasebrook will be at the Hotel Eicher, starting the same date. In the meantime, we remain with best regards

Sincerely yours,

Emil Ott

Director of Research

E0/kcc

CC: Mr. P. L. Johnstone

P.S. Parts I and II are being sent to you now. However, Part III will not be published until late this summer, when it will be forwarded to you.

E. O.



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

WILMINGTON 99, DELAWARE
U. S. A.

CABLE ADDRESS: HERPOCO

September 26, 1955

Professor G. Natta, Director Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano, Italy

Dear Professor Natta:

Undoubtedly you have already received Dr. Taufen's letter of September 9 inviting you to give a talk at next year's Gordon Research Conferences.

Regarding this, I want to tell you again that we have taken up the matter of your visa with the proper authorities. We have not yet received any information but expect to sometime within the next four to six weeks. If not, we will make further inquiries. You can be sure that as soon as we receive some definite information, I will forward it to you.

No doubt you have already heard from Montecatini that our company has approached them officially on your polyolefin development.

Best wishes.

Sincerely yours,

Arthur L. Glasebrook

ALG: jbc

October 4, 1955

Dr. Arthur L. Glasebrook Research Department Hercules Powder Company Wilmington 99, Delaware, U.S.A.

Dear Dr. Glasebrook,

Thank you for your kind letter of September 26, and for your interest for my visa.

I received Dr. Taufen's letter of September 9, inviting me to give a talk at next year's Cordon Research Conferences. I replied to him on September 23, accepting his very kind invitation.

Successively, I received the same communication also from Frof. Overberger and Professor Mark. I shall be very pleased to come to the U.S.A. next July.

Very sinearely yours,

Hiulio Natta

P.S. - As to the last item of your letter, I know that the Montecatini Company reveived requests from a very large number of American Companies, and particularly, from the Ziegler licensers but I think that the Montecatini will not give so many licenses as Ziegler did.

464 Same

RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

PLEASE REPLY TO
HERCULES EXPERIMENT STATION
WILMINGTON, DELAWARE

Too Worker There

December 28, 1955

Professor G. Natta Director of Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano ITALY

Dear Professor Natta:

Thank you very much for your letter of December 17 accepting the invitation to speak at New Hampton the week of June 11.

The titles of your proposed talks are suggestive of the broad applicability of the polymerization principles which you have developed and I am sure they will be received with interest by the participants in the conferences. I am looking forward to seeing both you and Dr. Pino.

May I extend my personal regards and best wishes for the New Year.

Very truly yours,

Harvey J. Taufen, Manager Synthetics Research Division

HJT:gh

December 17, 15.

Au

Dr. Harwey J. Taufen, Manager Synthetics Research Division Hercules Powder Company Hercules Experiment Station Wilmington 99, Delaware, U.S.A.

Dear Dr. Raufen,

I received your kind letter of December 5, in which you informed me about the change of the date of the conference on "Organic Reactions and Processes."

As I am invited also to give a lecture on "High Polymer" in the week from July 1 to July 5, and on "Elastomers" in the week from July 30 to August 3, I should think to develop in these three 1 lectures different arguments.

In the lecture of June 11, I could maked on the following subject: "Stereospecific Polymerisations of unsaturated hydrocarbons".

My lecture on "High Polymer" (July 1-5) will be entitled "Isotactical Polymers", and the one on "Elastomers" (July 30- August 3) as follows: "Synthesis by anionic polymerisation of new elastomers and unsaturated cristallin polymers".

Many thanks also for your kind invitation for Prof. Pino who will be very pleased to partecipate to the Gordon Research Conferences*.

With my best personale regards and best wishes, I am,

Very sincerely yours,

G. Natta

RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 · DELAWARE

PLEASE REPLY TO
HERCULES EXPERIMENT STATION
WILMINGTON, DELAWARE

December 5, 1955

Professor G. Natta Director of Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano TTALY

Dear Professor Natta:

Due to circumstances beyond our control we have been forced to change the date of our conference on "Organic Reactions and Processes" from the week of July 16 to the week of June 11, 1956. I apologize deeply for the American Association for the Advancement of Science, realizing as I do how much inconvenience such a shift in dates can cause. I certainly hope you will find yourself able to discuss your interesting research results with the chemists of this organization in spite of this last minute change in plans.

As a help in rearranging your travel schedule, please be assured that we will be happy to welcome you at the Hercules Powder Company at your convenience.

Dr. Glasebrook has informed me that your associate, Dr. Pino, may be traveling with you next summer. Could you let me know if Dr. Pino wishes to attend the conference at New Hampton? As you know, attendance at the conference is by invitation and I will arrange an invitation for Dr. Pino if he so desires.

Publication of the finished program is scheduled for the first part of January and consequently, I will look forward to a reply at your earliest convenience.

May I apologize again for troubling you.

Very truly yours,

Harvey J. Taufen, Manager Synthetics Research Division



RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

PLEASE REPLY TO
HERCULES EXPERIMENT STATION
WILMINGTON, DELAWARE

AIR MAIL

October 5, 1955

Professor G. Natta Director of Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano, ITALY

Dear Professor Natta:

I was delighted to receive your acceptance of the invitation to speak at the Gordon Research Conference next summer and to speak to us at Hercules some time during your visit to the United States.

I will send you additional information as it becomes available, and will look forward to seeing you next summer.

Thank you again.

Very truly yours,

Harvey J. Taufen, Manager Synthetics Research Division

HJT/mjt

(315)

September 23, 1955

Museum an

Mr. Harvey J. Taufen, Manager Synthetics Research Division Hercules Powder Company Wilmington 99 - Delaware

Dear Mr. Tauren,

I thank you very deeply for yourkind letter of September 9, that reached me with delay, and for your very kind invitation to partecipate to the Gordon Research Conferences on "Organic Reactions and Processes".

I consider an honour to have been invited by the American Association for the Advancement of Spience, and I assure you I am very glad to accept this invitation.

I thank you also for the invitation you made for the Hercules Powder Company.

With my best personal regards, also for Dr. Ott and Dr. Glasebrook, I remain,

Very sincerely yours,

Giulio Natta

1376

RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 · DELAWARE

PLEASE REPLY TO
HERCULES EXPERIMENT STATION
WILMINGTON, DELAWARE

September 9, 1955

Professor G. Natta Director of Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano, Italy

Dear Professor Natta:

As you realize, your work on olefin polymerization has attracted the attention of chemists all over the world. The ingenuity of your experimental approach and the unusual results you have achieved certainly deserve the highest praise. Many scientists in this country have expressed the desire to hear you discuss your work in person and to talk with you about it. Consequently, as Chairman-elect of the Gordon Research Conferences on "Organic Reactions and Processes", I would like to invite you to present your results next summer. The conference will be held at New Hampton, New Hampshire during the week of July 16, 1956.

As you know, the Gordon Research Conferences are sponsored by the American Association for the Advancement of Science (A.A.A.S.). Papers are by invitation and the attendance is restricted to about one hundred scientists. However, these include representatives of all the larger chemical companies as well as professors from the leading universities. The conference lasts for five days and there are usually two talks each morning and one each evening. Ample time is provided for discussion of each talk. The afternoons are left free to allow the scientists to become better acquainted and discuss their interests in a relaxed atmosphere in the heart of the New England vacation land.

The A.A.A.S. will be able to pay your expenses while in attendance at the conference and can provide a stipend of five hundred dollars (\$500.00) to aid in defraying your traveling expenses. In view of the interests of my own Company in your work I also extend an invitation to speak Professor G. Natta

to our scientists at the Hercules Experiment Station. We offer a stipend of two hundred dollars (\$200.00) for this.

While we are most anxious to hear you, in the event that you may not see your way clear to present your work personally, we would consider the possibility of one of your associates representing your laboratory and your work at this meeting.

Since program arrangements should be complete by December I would appreciate an early reply.

Dr. Ott and Dr. Glasebrook wish to be remembered to you and join me in hoping you can accept this engagement.

Very truly yours,

Harvey J. Taufen, Manager Synthetics Research Division

HJT:gh

835

EXPORT DEPARTMENT

HERCULES POWDER COMPANY

NCORPORATED



WILMINGTON 99, DELAWARE

U. S. A.

CABLE ADDRESS: HERPOCO

December 7, 1955

Prof. Giulio Natta Istituto di Chimica Industriale del Politecnico Piazza Leonardo da Vinci, 32 Milano, ITALY

Dear Sir:

We are forwarding under separate cover Part III of "Cellulose And Cellulose Derivatives," edited by Emil Ott and Harold M. Spurlin. You have previously received Parts I and II of this publication. This part completes the volume.

Very, truly yours,

E. J. LaPorte/eks

any grant

John State Comment



RESEARCH DEPARTMENT HERCULES POWDER COMPANY

WILMINGTON 99, DELAWARE U. S. A.

CABLE ADDRESS: HERPOCO

November 4, 1955

Prof. Giulio Natta Milano Polytechnic Institute Piassa Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta:

During the conversations which Dr. Ott and I had with you in Milano and later in Rome, you mentioned the difficulties you had in 1951 in obtaining a visa to visit the United States. You also mentioned that you might want to visit the U. S. during the coming year, and asked us to find out, if possible, whether you could obtain a visa for such a visit.

I am happy to tell you that our laws, under which visas are issued, were amended in 1952. From all I can learn, I know of no reason why a new request by you for a visa would not be acted upon favorably.

My personal recommendation is that you make your official request for a visa.

I am looking forward to seeing you at next year's Gordon Research Conference and also here at Hercules when you speak to our Experiment Station.

As you may know, one of the directors of our company, Mr. Hinner, and Mr. Peterson, Manager of our Patent Division, will be in Milano next week to discuss with Dr. Giustiniani the processes which you have developed for preparing isotactic polymers.

In addition, we are also having discussions with Lonza to secure the American rights to your process for making succinic acid.

All of us here at Hercules hope that the discussions will be fruitful.

My best wishes to both you and Dr. Pino.

Sincerely yours,

Arthur L. Glasebrook

ALG: jbc

Dr. Arthur L. Glasebrook
Research Department of
Hercules Powder Company
W.I.L.M.I.N.G.T.O.N. 9.9
Delaware, U.S.A.

Dear Dr. Glasebrook,

Many thank for your very kind letter of November 4. Ing. Piero Giustiniani informed me about the visit announced by you to the Montecatini and I confirm you that I personally shall be very glad if an agreement will be made with your Company and Montecatini.

In regard to my visa, I thank you very much for you interest. I had, some days ago, a colloquy with the Vice-consul of the U.S.A. in Milan, and I have been informed that at the present there is no more difficulty to obtain my visa. In 1951 the visa was not grante for a misunderstanding.

I wish to inform you that I received an invitation to give a lecture also by the Gordon Research Conference on Elastomers, besides the one on High Polymers. I shall stay in the U.S.A., therefore, from about June 25 to Argust 5-10.

I inform you that the works carried out in this Institute about succinic acid continue and have confirmed the first results improving also an interesting foreseen cycle for a continuous working.

Prof. Pino joins me in sending you best wishes.

Very sincerely yours,

G. Natta

BESITZER: ERNST MANZ UND SOHN

Prof. I Niatta Instituto de Chimica Inclustrate del Politecnico Prazzo Lenardo da Vinai, 32, Mulan

Thank you for your kind note of

Thank you for your kind note of

The 28 which reached me somulat late.

Mr. Jaw Wagemaker, of our Hague office, and I will plan to west your laboratory the marning of march 20. Mrs. Taufen and I will be delighted to have lunch with your + Mrs natta that same day.

We are lasking forward to swing your + Mrs. Natta invitation.

Sincerey,

We Taufer.

HOTEL BREIDENBACHER HOF DÜSSELDORF February 23, 1957 Dear Prof Watto, Thank you for your tind letter and the invitation to see you in Milan. We plan to arrive in mean the evening or afternoon of March 19 (which I have just bound is a holiday in Italy). We will be staying at the Exclain Sallia, and must leave the following afternoon. I am looking forward to visiting your institute if possible and bath Mrs Taufu. I are lasking forward to eving you and mrs. Matta again.



COMMERZBANK-BANKVEREIN

Zentrale **DÜSSELDORF** Breite Str. 25 Depositenkassen in allen Stadtteilen

Umwechslung fremder Geldsorten

Einlösung von Reiseschecks P.S. If you wish to contact me I can be reached through: N.V. Hercules Pounder Co. The Hague, Halland attr. Jan Mensing

EXCHANGETravellers Cheques
Letters of Credit



CHANGE Chèques de Voyage Lettres de Crédit



Mr. Harvey TAUFEN

N.U. Hercules Powder Co.

Att. Jan Mensing

THE HAGUE (Clanda)

Dear Mr. Taufen.

I am very glad to know from your letter of February 23 that Mrs. Taufen and you will come to Milan and Mrs. Natta and I are looking forward to seing you both.

I wish to inform you, however, that on Marth 19 is an Italian holiday and therefore my laboratory is closed. Besides I shall be away from March 15 to 20 in the morning but I shall do my best to anticipate my return. I do hope that you may stay in Milan till March 20, and Mrs. Natta and I shall be very pleased to have Mrs. Taufen and you for the lunch on March 20 at our home.

Mrs. Natta joins me in sending to Mrs. Taufen and you the kindest regards.

Sincerely yours,

(Prof.G.Natta)

Mr. H.J. TAUFEN
Director of Development
Synthetics Department
"Hercules Powder Co."

Wilmington 99 - DELAWARE

Dear Mr. Taufen,

I receive your letter of 29th. January and I am very glad to know Mrs. Taufen and you come in Italy for holidays.

I hope during your trip you will be able possible to stop some days in Milan because Mrs. Natta and I are very happy to see you.

With best regards also to Mrs. Taufen, & remain,

Very truly yours,

(Prof.G.Natta)



SYNTHETICS DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

January 22, 1957



Prof. Dr. Giulio Natta Institute of Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

I have just learned that I will be visiting Europe in March, and I would very much appreciate the opportunity of seeing you during this trip. As matters stand now, it would be very convenient to me if I could visit with you on Wednesday, March 20. Would you please let me know as soon as possible if this date is agreeable to you.

You may be interested to know that Mrs. Taufen plans to accompany me on this trip, and we hope to spend a few days of vacation in Rome. We are both looking forward to the opportunity of seeing you and Mrs. Natta again.

Please accept my best personal regards.

Very truly yours,

H. J. Taufer

Director of Development

HJT:cfg

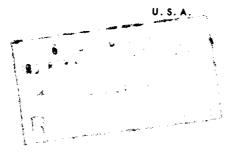


RESEARCH DEPARTMENT HERCULES POWDER COMPANY

CORPORATED

WILMINGTON 99, DELAWARE

CABLE ADDRESS: HERPOCO



September 18, 1957

Prof. Giulio Natta Milano Polytechnic Institut Piazza Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta:

I have just received the English translation of your Paris lecture. Thank you very much. We are circulating this to our research chemists so that all of those who could not read the French copy will have the opportunity to read your lecture.

I am also grateful for the technical information bulletin on "Moplen" which you sent at the same time.

With kindest regards,

Sincerely yours,

Arthur L. Glasebrook

porturby loulus

ALG:mmd

NR

Ref. to N. 1522/rl

Dr. Arthur L. Glasebrook

HERCULES POWDER COMPANY
Research Department

WILMINGTON 99 - Delaware - U.S.A.

Dear Mr. Glasebrook,

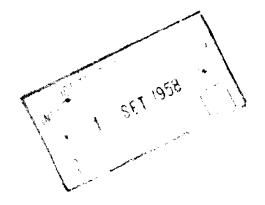
With reference to your letter of August 30, 1957, I wish to inform you that I sent to you, under separate cover, the English translation of the lecture I presented in Paris. This translation, however, has been not made by my staff and contains some inexactnesses: e.g. the frencheword "désarticulé" has been translated into "disjoined", that has a different meaning. Please kept this trasslation reservedly only for you.

In my lecture there are not mentioned the propertied of the different types of polypropylene that will be produced by Montecatini. I am sending to you, under separate cover, a technical information bulletin about one of these products, the MOPLEN, that at present is made in Italy.

With best regards.

Sincerely yours.

Giulio Natta



25 agosto 1958 c. .c. Prof. Natta

Spett. Montecatini Soc. Generale Settore Progetti e Studi Via F. Turati, 18 MILAN:

Oggetto: Polipropilene - Hercules Powder

Ritenendo farVi cosa grata Vi inviamo estratto di un articolo comparso nel numero odierno del New York Times relativo all'argomento in oggetto.

Reso, oltre a riferire la riduzione di prezzo di 7¢/lb. per il ProFax (nuovi prezzi base: 49¢/lb. per incolore e 58¢/lb. per colorato) informa anche che la Hercules ha messo in commercio 3 tipi di polipropilene e piu precisamente: un primo di tipo standard; un secondo specialmente formulato per resistere alle alte temperature per lungo tempo; ed un terzo adatto per essere usato in contatto con generi alimentari.

Distinti saluti.

Loris Luciano

LL:lm Alleg. dig puf . chatta.

MONTECATINI

SETTORE PROGETTI E STUDI

August 26, 1958

وفين مطا

Colonel H. A. Toulmin Toulmin Building 308, West First Street Dayton 2, Ohio

Dear Cel. Toulmin,

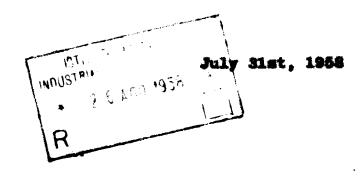
I herewith enclose copy of a letter I received from Hercules yesterday.

Before answering, I would like to know your views about it.

Sincerely,

Lto: Orsoni

Enclosure. Or/epc.



HERCULES POWDER COMPANY Wilmington 99, Delaware (U.S.A.)

Attention Mr. J.K. SPEICHER, Division Manager, Technical Advertising, Advertising Department

Dear Mr. Speicher:

We are surprised that in your letter of July 8, 1988, relative to the failure to give credit to Professor Natta as to his origination of the words "isotactic" and "atactic", which define molecular construction, you do not offer to correct in your next issue the failure to identify Professor Natta with this subject matter.

We trust that you will do so in your next issue and indicate that it is a correction of the issue of which we complain,

where you may "I hope you understand and are in agreement with my viewpoint as Editor of the "Mercules Chemist", let us may that we could not be further from an agreement on the subject and we expect you to perform as all responsible American publications perform, in acknowledging your error in the next issue of your publication in order to be truthful and to de justice to our distinguished co-worker, Professor Eatta,

We think you could do no less than to do what tradition in the United States, as well as in Europe, has always dictated amongst reputable publications.

Yery truly yours,

MONTECATIN

original by air mail / CC: by air mail 2 days later

MONTECATINI
Società Generale per l'Industria Mineraria e Camica

Brevetti e Documentazione Teonica

PROMEMORIA

Per il Signor

m. Spolobor (Deronico) all'ing. Gracel, Fiction in l'allegate respects dell'agente marie de la constant de la c

Beroulds see at prosts a rilleri salvo force que to di essero troppo blanda.

One i migliori miluti.

MONTECATINI

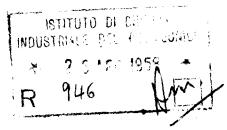
SOC. GEN. PER L'INDUSTRIA MINERARIA E CHIMICA ANONIMA - CAPITALE VERSATO L. 100.000,000.000

MILANO

SETTORE PROGETTI E STUDI

MILANO 25 Agosto 1958.
VIA F. TURATI, 18
TELEGRAMMI GABBROPROGETTI
TELEFONI 6933 - 6334

Preg. mo Signore
Prof. Giulio Natta
Istituto di Chimica Industriale
Politecnico di
M i l a n o.



Egregio Professore,

mi è arrivata questa promessa di rettifica da parte della Hercules.

Mi pare che sia meglio di niente, e che qualche cosa abbiamo ottenuto.

Cordialmente:

Moni

* All.

Or/sl.

MONTECATINI

SOC. GEN. PER L'INDUSTRIA MINERARIA E CHIMICA ANONIMA - CAPITALE VERSATO L. 100.000.000.000

SETTORE PROGETTI E STUDI

MOUSTHALE OLL PULLIEUMICO 5 Luglio 1958.

7 LUG ORDOR TUGATI 8
TELEFONI 6393 6334

Preg. mo Signore
Prof. Giulio Natta
Istituto di Chimica Industriale
Politecnico di
M i l a n o.

Egregio Professore,

ho visto la bozza della lettera che Ella intende mandare al prof. Hohenstein; secondo me questo è il minimo che si può dire.

Le ho fatto mandare copia della sfacciata lettera della Hercules; Ella vede con che qualità di gente abbiamo da fare.

Cordialmente:

Or/sl.

M.

MONTECATINI

Società Generale per l'Industria Mineraria e Chimica

AMMINISTRATORE DELEGATO

PROMEMORIA

IND: 1 9 MAG 1958

ING. BALLABIO ING. DE VARDA PROF. NATTA

Merchille Data,...

16 maggio 1958

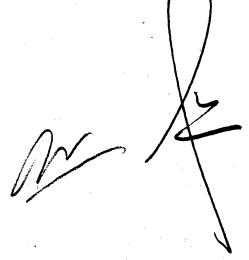
Vi rimetto una breve nota tratta da una conversazione che il Sig. Glasebroock della Hercules ha avuto con il Prof. Pino.

Sembra a me che noi abbiamo proceduto con la Hercules per quanto rifiette la polimerizzazione dei vinileteri: sono incerto per l'acrilato di metile.

Abbiate la cortesia di riferirmi.

Cordiali saluti.

Allegato





RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

INDUSTRIALE DEL FRATEGIACI

* -19 SET 1957 ×

R //522

August 30, 1957

Prof. Giulio Natta Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta:

It was a great pleasure to see you again at the Paris meeting of IUPAC, and I enjoyed your lectures very much. I am only sorry that we did not have the opportunity to spend more time together. However, it was a large meeting and very much spread out so that it was difficult to see people.

I appreciated getting the copy of your paper in French which you gave me. However, if you still have some available, I would like one in English. You will recall that I mentioned this to you but apparently you forgot about it.

I understand that it has been published somewhere that you will manufacture two types of polypropylene, one for plastics and the other for fibers. I also understand that comparisons of the physical and chemical properties of the two polymers were described in the publication. If this is correct, would it be possible for you to send me the comparative data on the two materials?

Best regards,

Sincerely yours,

Arthur L. Glasebrook

ALG:mmd



SYNTHETICS DEPARTMENT

ISTITUTO DI CHIMICA Industriale del Politebrico

* 2 9 APR. 1957

930

TO .

HERCULES POWDER COMPAN

INCORPORATED

WILMINGTON 99 DELAWARE

April 24, 1957



Prof. Giulio Natta Institute of Industrial Chemistry Politecnico di Milano Piazza Leonardo Da Vinci, 32 Milano, Italy

Dear Prof. Natta:

Earlier this month I returned from Europe, and I want to take this opportunity to thank both you and Mrs. Natta for your cordial hospitality to us in Milan.

Mrs. Taufen and I greatly enjoyed the opportunity to see you both again, and I also appreciated the opportunity of visiting your Institute.

Please remember us to Mrs. Natta, and please accept my very best personal regards.

Very truly yours,

H. J. Taufen

Director of Development

HJT:cfg

Stralcio di lettera del Prof. Piero Pino scritta a Ing. Giustiniani il 14 maggio 1958

STABILIEZAZIONE DEL POLIPROPILENE - La Hercules avrebbe risolto il problema della stabilità del polimero rispetto all'ossigeno, mentre non è stato ancorada loro risolto il problema della resistenza ai raggi U.V. Pertanto impieghi all'aria aperta (out-door uses) per il "Profax" sarebbero per ora esclusi.

ALTRI POLIMERI - La Hercules avrebbe depositato un brevetto in cui sono descritti numerosi polimeri, cristallini o parzialmente cristallini, di monomeri ossigenati quali i vinileteri, l'acrilato di metile ed altri. Uno studio approfondite sarebbe state compiuto però soltante su un poliviniletere avente p.f. superiore a 120°, che fernisce dei film interessanti.

copia p.c. ING. BALLABIO
" " DE VARDA
" " PROF. NATTA

HERCULES POWDER COMPANY

WILMINGTON 99 DELAWAR

August 15, 1958

"STITUTO DI CIPILI. MOUSTRIALE CEL 2 5 AGO 1958

AIR MAIL

Dr. Bartolomeo Orsoni Montecatini S. A. Via F. Turati 18 Milano, Italy

Dear Dr. Orsoni:

We regret that you misunderstood our letter of July 8 and are happy to comply with your request that we identify Professor Natta as the originator of the words "isotactic" and "atactic." Our next issue of the Hercules Chemist will carry the following note --

"On page 2 of Hercules Chemist, No. 32 (February) the following statement was made:

> 'Some people call this particular structure isotactic and the random structure atactic.'

"So far as the Editor has been able to ascertain, Professor Giulio Natta, of the Milan Polytechnic and associated with Montecatini, S. A., Milano, Italy, was the first to use these terms in technical literature."

> Very truly yours. ale K. Shinler

John K. Speicher, Editor

HERCULES CHEMIST

JKS/dc



RESEARCH DEPARTMENT

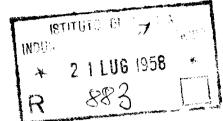
HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 DELAWARE

July 18, 1958

Prof. Giulio Natta Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano, Italy



Dear Prof. Natta:

Prof. Wiig of the University of Rochester has forwarded to our Research Center your request for a microfilm copy of the paper on the fractionation of polyethylene presented by three Hercules chemists, Francis, Cooke and Elliott, at last fall's meeting of the American Chemical Society.

We are happy to send you, under separate cover, a copy of this paper in the form in which it will be published in a forthcoming issue of the Journal of Polymer Science. In addition I am also enclosing with the paper a copy of another paper on the same subject by our Dr. Henry which has been accepted for publication with the same journal. Finally, I am sending an article by our Dr. Chiang on light scattering studies of dilute solution of polypropylene which appeared in a recent issue of the Journal of Polymer Science.

I was sorry I did not have the opportunity to visit you when I was in Milano early in May. However, my stay there was cut short and I did not have time. Also I knew you had just returned from the United States and were probably quite tired.

If they are available, I would greatly appreciate receiving copies of the papers you gave in San Francisco and Montreal.

With best greetings to both you and Mrs. Natta,

Sincerely yours,

Arth**u**r L. Glasebrook

M Research Cluter University of Rochester

Vicules Powder Co Chemistry Dept.;

Wilmington 99

Rochester 20, N.Y.

Deliver, USBU. S. A.

Our ref. 883/mb

Dear Mr. Glasebrook.

This will acknowledge the good receipt of your kind letter of July 18. Thank you very much for having sent to me the copies of the papers in press on "Polymer Science".

Herewith, you will find a copy of the paper presented at Montreal: "The present situation and prospects of the ItalianaChe= mical Industry - High Polymer Developments * of which I have just received the reprints.

As far as it concerns the papers presented at San Francisco, I sent the manuscripts to the Journal of Polymer Science for the publication. I foresee that such paper will come forth in the next October issue: I will send you the reprints as soon as received. At the moment, I dispose of but one uncor rected copy of the manuscript, without figures. Would you be interested in getting them, please let me know it, so that I will have a copy made for you.

With my best regards.

Sincerely yours,

G. Natta

En.

University of Rochester Chemistry Dept. River Camps Station Rochester 20, N.Y.-U.S.A.

Our. ref. : 828/mb

M. Chem

Dear Sirs,

I shall be glad if you will send me a microfilm copy of the article of P.S. Francis, R.C. Cooke jr., J.H. Elliot, that was printed in the collected papers of The Fallmeeting of the Emerican Chemical Society (Atlantic City 1956) pag. 178.

Please, book to our debit the corresponding amount that we will reimburse you in due time.

Thanking you in advance, we remain.

Yours very truly, (Prof. G. Natta)

A Toulouse
450-4542

St I Toulowin Jr.
Horbort H Borner
Daniel J Handen Jr.
Tolson & Drummond
Edward, M Jaskinson
Huge M Nakiton
Lunge H Sumar

Patent Attennys P.D. Packe M. A. Brasky Toulmen & Toulmen Attorneys at Law Comparation and Patient Law Daryton 2, Ohio

July 22, 19481C.

VIA AIRMAIL Copy Boatmail

Montecatini Brevetti Via F. Turati 18 Milan, Italy

Re: Hercules Letter of July 8, 1958

and Proposed Reply T & T File No. 7494

Gentlemen:

This is in answer to Dr. Giustiniani's letter of July 18, 1958. I beg to advise you as follows:

You ask the question "whether and how Hercules could avail themselves of this exchange of correspondence to their advantage".

They have and will avail themselves by trying to make Professor Natta's discovery, which he has denominated "isotactic" and "atactic", mere common words in the language and they will later take the position that being common words in the language and so accepted, no matter who originated them, they define a structure of matter, the discovery of which was not invention.

The letter of Mr. Speicher of July 8, 1958 is carefully designed to that end. You will note he refers to "relatively nonscientific language" as the basis for his articles. His excuse that "it is not usual for ordinary nonscientific publications to document and give bibliographies in the same manner as scientific publications", is merely another way of saying that the words "isotactic" and "atactic" have now become common words in the language defining

Daylon, Ohio Touboun Building 308 West Bust Street Washington, D. 6. Pennyhumas Skailebog Springfield, Ohio Ohio Fact Sas Bailebog Bressel, Belgason 21 Rue de las Lomile

Earlie Address Touborus, Dazsten Touborus, Washengton a phenomena of nature which likewise belongs to the public and is not patentable.

It is most significant that he does not do what every reputable publication would immediately do voluntarily. That is, to offer in the next edition to correct the matter of which you complain by giving credit to Professor Natta as the originator of the words "isotactic" and "atactic".

He then endeavors to commit you to his position when he says "I hope you understand and are in agreement with my viewpoint as Editor of the 'Hercules Chemist'".

I attach a proposed reply for your consideration in order to protect your interests under the circumstances. It is significant that of all of the publications, general as well as scientific, this is, so far as I know, the first time that this attempt to make the terms a part of the common language has been made.

It is quite in keeping with the character and intent of Hercules Powder Company, although I perceive from other correspondence with you that you do not share with me my judgment of their character and intentions.

I think they will continue to avail themselves in every way possible to try to put these inventions of Professor Natta in the category of merely being the normal result of Ziegler's catalyst being used with just another olefine.

They must first lay the foundation for that by destroying the identity of Professor Natta and "isotactic" and "atactic" and get these terms as common terms in the language without credit to Professor Natta, all in harmony with a shrewd public relations policy and legal policy to accomplish the end just mentioned.

Whoever is directing this is clever and adroit. You will note that in the third paragraph of the Hercules letter that they damn Professor Natta with faint praise when they say "The professional reputation of Prof. Natta is well known and respected by Hercules scientists", but they do not give him any credit for being an inventor and creator, as well as a discoverer in this new area defined as "isotactic" and "atactic" molecular constructions. This confirms my interpretation of their plan and policy.

Montecatini Page Three

The attached proposed letter seems to me to be the minimum that should be sent on the subject: I have softened it as far as I can out of respect for your wishes to conform to what you denominate as the "European method" of writing on any controversial subject such as this.

I need not call your attention to the fact that the recipient of these letters I draft is not a European and courtesy and lack of force in a communication would be construed by Hercules as a weakness on your part and simply induce them to continue and expand their conduct because they perceive that it is irritating and injurious to you.

Frankly, I do not think that you can treat Hercules and its management or its acts with the fine courtesy that is characteristic of yourselves and your company, for I think any approach such as that would be as useless as a prayer in an American saloon.

H. a. Touling

Enclosure: Copy of proposed letter.

PROPOSED REPLY TO HERCULES LETTER OF JULY 8, 1958

2 6 LUG. JOB MONTESATRI-BRIEV

Hercules Powder Company Wilmington 99, Delaware

Attention - Mr. J. K. Speicher, Division Manager, Technical Advertising, Advertising Department

Dear Mr. Speicher:

We are surprised that in your letter of July 8, 1958, relative to the failure to give credit to Professor Natta as to his origination of the words "isotactic" and "atactic", which define molecular construction, you do not offer to correct in your next issue the failure to identify Professor Natta with this subject matter.

We trust that you will do so in your next issue and indicate that it is a correction of the issue of which we complain.

With reference to the last sentence of your letter where you say "I hope you understand and are in agreement with my viewpoint as Editor of the 'Hercules Chemist'", let us say that we could not be further from an agreement on the subject and we expect you to perform as all responsible American publications perform, in acknowledging your error in the next issue of your publication in order to be truthful and to do justice to our distinguished co-worker, Professor Natta.

We think you could do no less than to do what tradition in the United States, as well as in Europe, has always dictated amongst reputable publications.

Very truly yours,

MONTECATINI

为

RESEARCH DEPARTMENT



HERCULES POWDER COMPANY

INCORPORATED

WILMINGTON 99 · DELAWARE

MJR:mek

The Hague, June 19, 1958. P.O. Box 89.

Dr. B. Orsoni Montecatini SEPS Via Turati, 18 <u>Milan</u> Italy

- Mark

Dear Dr. Orsoni,

I believe the best I can do, in reply to your letter of June 6th, is to write to the person in our Advertizing Department who edits our technical literature.

I have written him by same mail and sent him a copy of the letter you addressed to me. Unless you hear from him directly I will write you as soon as I have his reply.

With kindest regards,

Sincerely yours,

M.J. Riemersma.

XX T 1858-1948

999 M. A. Brush Toulmon & Toulmin Attorneys at 1

IBTITUTO DI CHISTO

INDUSTRIALE D.

RICE VUTO !

July 17, 1958

VIA AIRMAIL Copy Boatmail

Montecatini Brevetti Via F. Turati 18 Milan, Italy

Re: Hercules Powder Company

Unjust Enrichment Our File No. 7494 Your Reference 105/81

Gentlemen:

This refers to Dr. Giustiniani's recent correspondence as to Hercules and the efforts of their executives and employees to secure information from Montecatini and those associated with it.

It is noted that in the recent answer of Hercules, they make a flat denial that this has been done.

May we suggest that appropriate steps be taken to get the affidavits of Professor Pino and others who may have been talked to by representatives of Hercules, giving names, dates, places, what was said and by whom. With this material, an appropriate answer can be made to Hercules.

It would seem to us that the answer was so heated that it was not the answer of one who was innocent, but rather, the answer of one who was guilty and felt the guilt, as Mr. William Shakespeare has said "He doth protest too much".

If you will provide us with such statements in the form of affidavits, it will then be possible to pursue the matter further with Hercules by one or two letters to still further advance your interests.

Sincerely yours,

Hasanly

2 2 LUG.

POWDER COMPANY ISTITUTO DI CHIMICA INDUSTO WILMINGTON 99 DELAWARE LEGAL DEPARTMENT July 9, 1958 Toulmin & Toulmin Attorneys at Law Corporation and Patent Law Dayton 2, Ohio Gentlemen: I have your letter of June 30, 1958, advising that you are counsel for Montecatini Societa Generale per L'Industria Mineraria E Chimica of Milan, Italy.

I have investigated the astonishing allegations in your letter and find no facts whatsoever to substantiate your assertions. Further inquiry on your part will, I believe, lead you to the same conclusion.

Very truly yours,

Thanks S. Maddack

Charles S. Maddock General Counsel

CSM/eck

W



HERCULES POWDER COMPANY

WILMINGTON 99 DELAWARE

July 8, 1958

Dr. Bartolomeo Orsoni Montecatini S.A. Viz F. Turati 18 Milano, Italy

Dear Dr. Orsoni:

Your letter of June 6, 1958, to Mr. Riemersma of our Hague office has just reached me.

The "Hercules Chemist" is primarily directed to the people who may use our products; it is not intended to be a scientific publication. Our article attempted to point out in simple, relatively nonscientific language the basis for the superior properties of Pro-fax. I think you will agree that it is not usual for ordinary nonscientific publications to document and give bibliographies in the same manner as scientific publications.

The professional reputation of Prof. Natta is well known and respected by Hercules scientists, and I can assure you, Dr. Orsoni, that it was not the intention of the "Hercules Chemist" to be discourteous in not specifically identifying him as the originator of the names: "isotactic" and "atactic".

I hope you understand and are in agreement with my viewpoint as Editor of the "Hercules Chemist".

Very truly yours,

J. K. Speicher, Division Manager

Technical Advertising Advertising Department

JKS:dw

MONTECATINI
SETTORE PROGETTI E STUDI

6th June, 1958

Mr. M. J. Riemersma P. O. Box 89, The Hague.

Dear Mr. Riemersma.

Thank you for sending me No. 32 of "Hercules

Chemist".

I see that on page 2, after a summary discussion of the various possible macromolecular structures for polypropylene, it is said: "Some people call this particular structure isotactic and the random structure atactic".

I believe that this information should be completed, indicating that the name of the person who first suggested the terms "isotactic" and "atac" tic" is not unknown, and that the suggestion came in fact from Prof. Giulio Natta of the Milan Polytechnic, in a paper which he presented on December II, 1954 at the Accademia Nasionale dei Lincei in Rome, after having discovered the isotactic structure and invented a method for obtaining it. (See also letter to the Editor of the J. Amer. Chemical Society, received December 10, 1954 and published in the issue of March 20, 1955).

Of course you realize that a partial statement in your publication is hurtful to Prof. Natta and to our Company as it does not recognize who made this startling discovery.

I am sure you will want to point out to the Hercules magazine the opportunity of not being vague and of publishing this additional bit of informations.

MONTECATINI

Mr. M. J. Riemersma - P. O. Box 89, - The Hague.

tion, so that their readers will be informed as objectively as possible.

Waiting to hear from you, I am, with best regards,

Yours,

Lto; Orsoni

Dr. Bartolomee Orsoni.

fur

Mr. Arthur L.GLASEBROOK

HERCULES POWDER CO. Research Department

WELMINGTON, 99 - Delaware -USA

Dear Mr. Glasebrook,

Ref.n.423/el

many thanks for your kind letter of March 14, and for the technical bulletins that you sent to me.

I do hope to have the opportunity to meet you in Montreal, during U.S.-Canada Chemical Engineering Conference.

As I have not yet decide the date of my coming back to Milan, I cannot assure you to be in Milan on May 8 and 9.

With my kindest personal regards, I remain,

Sincerely yours.

G.Natta



RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

NCORPORATED

WILMINGTON 99 DELAWARE

March 14, 1958

Prof. Giulio Natta Milano Polytechnic Institute Piazza Leonardo da Vinci 32 Milano, Italy

Dear Prof. Natta:

Unfortunately, I will not be able to attend the meeting in San Francisco and will not have the opportunity to hear your lectures or to greet you. However, I expect to be in Montreal when you give your talk there and perhaps I will have a chance to have a few words with you.

In any case, I will be in Milano May 8 and 9 and hope I will have the opportunity to see you. I will telephone you in Milano to arrange an appointment.

I have sent you by ocean mail some technical bulletins and advertising literature on Hercules polypropylene. I also sent you some of our polyethylene publications.

I would appreciate receiving copies of the papers you give in San Francisco.

Please give my greetings to Mrs. Natta.

With kind regards,

Sincerely yours,

Arthur L. Glasebrook

Freten Moderalul

ALG:mmd

HERCULES POWDER CO.

Dear Mr.Glasebrook.

ricevo la Sua gentile lettera del 14c.m.

La ringrazio dei pritten bollettini che mi ha inviato riguardanti la letteratura sul poli-propilene.

Sarò lieto di incontrarLa a Montreal.

Non ho ancora stabilito la data del mio ritorno
dagli U.S.A. e non posso confermarLe di essere a

Milano nelle giornate 8 e 9 di maggio.

Saluti.

12 Optobre, 1362

dV/ma

Sig. Ing. Piero GIUSTINIANI S E D E

2154

Oggetto: Vizggio USA Ing. de Varda - Accordi con Hercules -

In una successiva riunione sono riuscito a far accettare alla Hercules un plafond dell'1% limitatamente alle sole invenzioni Hercules quando la Hercules licenzierà licenziatari della Montecatini in USA. H. non voleva alcun plafond. In seguito pretendeva il 2%!

Invoce per i brevetti controllati dalla Hercules (tipo stabilizzazione alla luce della Ferro), la Hercules resta vincolata all'obbligo di concedere licenze at reasonable terms.

Sono inoltre riuscito a ridimensionare la clausola che permette alla Hercules di scendere dopo 5 anni ad una royalty inferiore al 2,1% solo al caso che ci sia più di un licenziatario du Pont che paghi alla Montecatini meno di 2,1%. Restano così esclusi sia la du Pont, sia la Hercules, sia un primo licenziatario du Pont, sia qualsiasi altra ditta americana non licenziataria di du Pont.

La Mercules ha insistito vivamente per una licenza Montecatini per poter esportare in Canada, dichiarandosi fin d'ora lisposta a pagare la piena consideration.

Ho risposto che non ero autorizzato a trattare, ma che personalmente avrei parlato in favore di detta licenza subito dopo la firma del contratto USA.

Naturalmente in detta occasione si sarebbe anche frattato delle licenze extra USA sotto i brevetti Hercules ai licenziatari Montecatini (non ho menzionato la Montecatini, ma prevedo che le trattative si svilupperanno da se nella direzione da noi desiderata).

La Hercules sembra ansiosa di accelerare i tempi e ha formalmente promesso di spedire il nuovo draft con noi concordato, e revisionato essenzialmente per quanto riguarda la lir gua inglese (e aggiornato per quanto riguarda l'accordo supplement: re Hercules-Ziegler allegato al ns. contratto), entro domani.

Ho già disposto, a scanso di equivoci, che l'ing. Buzzulini metta subito al corrente von Kreisler di quanto è stato fatto, in modo che le modifiche dell'accordo supplementare Ziegler/Hercules da allegarsi al ns. contratto si limitino soltanti a quanto è strettamente necessario per armonizzare i due contratti già pienamente concordati.

Con ossequio,

W

Hercules Powder Co.
De. D. Bopka
Research Conter
Wildenton 39, Delaware
(U.C.S.)

Pear Sir,

According to your request of the following reprint: "Conformation of Timesr Chains and their fode of Packing in the Grants State, we are sorry to inform you that we have no smallable copies.

Best regards.

(Med etary to Prof.C. Natta)

J.Pol.Sci. 39, 29 (1959)

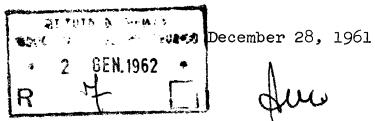


RESEARCH DEPARTMENT

HERCULES POWDER COMPANY

ADDRESS REPLY TO

HERCULES RESEARCH CENTER WILMINGTON 99, DELAWARE



Dr. G. Natta Instituto di Chimica Industriale del Politecnico Milano, Italy

Dear Dr. Natta:

Thank you for the reprint of your paper "Crystalline Synthetic High Polymers with a Sterically Regular Structure, Nuovo Cimento, 15, Suppl. 1, Series X, 3-8 (1960).

I am interested in doing some work on the structure of crystalline polymers by x-ray diffraction techniques and find your papers an excellent source of stimulating ideas and techniques.

Due to an oversight on my part, I did not request the complete reprint pages in Nuovo Cimento. I would appreciate receiving a reprint of Supplemento al volume XV, series X, del Nuovo Cimento, Numero 1, 1° Trimestre, P.1-158, 1960, if available; also, any reprints of other papers on the theory and practice of the determination of polymer structure by x-ray diffraction techniques that may be available.

Thank you for your kind attention.

Sincerely yours,

Robert 3. Samuels

Physical Chemistry Division

RJS: ddm

MONTECATINI

Jetà Generale per l'industria Mineraria e Chimica

Brevetti e Documentazione Tecnica

PROMEMORIA

PRO

Tenlais at degrals des brovett servicus; concenet alla Mercules il 20 octobre broves, N. S. Shakis e S. See. M.S. relativa es un miglioressente mella polinoriamentese delle alfoclofice, aposte del propilere, foregatalismeteri de fill. Albigle o Tible e maggilorese di 21 Bille, commissente sel

profestare il estallimatore con in cale alcaline compie rese di cotto. El seperiment che si ottompres maggiori relocit di resultant e più alte percentuali di polimere impaliabile in

Il "miglioremento" des appero di per sò melto Importanto.

Detiane abe i brovetti pese stati concesti in mono di un amme, o ciò più comune giustificato dal fatto che si trattava di dumindo di molecte pertata, o relativo ad un particalare "miglioramento" specifico, che non richiodoreno galadi cottos como.

Corinente a "Magis" process come access & Milks

Con entropels,

W

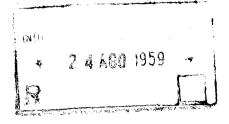
Partelle

Prof lotte

HERCULES POWDER COMPANY

WILMINGTON 99 - DELAWARE

August 4, 1959



AIR MAIL

Dear Dr. Giustiniani,

Thank you for your letter of July 21, 1959, together with the attached documents.

As soon as these have been reviewed by the interested parties in our company, we shall communicate with Mr. Lucini, as you suggest.

With best personal regards,

Sincerely yours,

A.E. horse

Dr. Ing. Piero Giustiniani Montecatini Societa Generale per L'Industria Mineraria e Chimica Via F. Turati. 18 Milan, Italy

AEForster/kbl

cc: Mr. Lucio Lucini

MONTECATINI

AMMINISTRATORE DELEGATO

PROMEMORIA.

(verculo)

BITTUTO DI CHIMICA IMDUSTRIALE DEL POLITEDNICO 3 GIU. 1959 3

BREY

PROT. NA

2208

TRATTATIVE GON HERGULES -

Nelle conversazioni avute a New York prima den Hercules e poi cen Ziegler, è stato stabilito di mandare alla Società dimericana una bessa di accordo che centempli la cossione di licenza per la produzione e l'uso di polipropilene plastico.

Le condizioni che devene caratterissare questa bessa, le quali per il reste riflettene le standard normale, devene essere le seguenti:

- 1°) pagamento di una lump sum di 1.300.000 dellari, di tui 100.000 pagabili all'atte della firma dell'accordo ed un milicae al momento in cui vengeno rilasciati negli Stati Uniti i ciaime dei brevetti principali. Nessuna queta di questo pagamento sarà attribuita a Ziogler, in quanto questi ha già percepito la sua parte attraverso gli accordi con la Hercules; sele zel case in cui l'interferensa sullo 2 4 fesse vinta da Ejegler, si devrà prevedere la corresponsione a lui del 10% della somma totalo, e cieè 130.000 dellari;
- 2°) pagamente di una royalty del 5% sul presuo netto di vendita per tutta la durata dei brevetti: questa royalty sarà pagabile per il 3,5% con decorrenza immediata salende al 5% al momente in cui vengane rilasciati i brevetti come al punto l°);
- 3*) Date le semme richieste ad altri contracati per determinate expacità è date le dichierazioni della Hercules in fatto di potenzialità futuliata e da installare, si ritione di dever fissare in \$0.000 tenn. la potenzialità corrispondente al pagamente di 1.300.000 dellari di cui al punto 1°);
- 4*) Nella bousa dovrà essere esplicitamente stabilite che il film, a qualunque uso destinato, è escluse dall'accordo, a meno che la Hercules non accetti di pagare in aggiunta alla revalty corrente, di cui al paragrafo 2*), una revalty supplementare del 2% cul

presso netto di vendita dei film ogni qualvelta cesa utilissi dei claims inclusi nei diritti di brevetto della Mentecatini negli Stati Uniti. Detta royalty supplementare sarà pagabile seltanto quando i claims annidetti saranno rilasciati.

La procedura da seguire consisterà nel redigere la bessa su acconsita, mandaria a Liegler per l'approvanione perchè questi la incitri alla Hercules, dandene conescensa alla Chemore.

Gordili saluti.



by Mr. Walla

MONTECATINI

Milano, 30 Gennaio 1959.

Polipropilene. Posizione Hercules

R 2031

All'inizio, quando la polimerizzazione a bassa pressione dell'etilene appariva la sola interessante e possibile, Hercules acquistó da Ziegler una licenza sui suoi diritti brevettuali presenti (cioè all'epoca del contratto) e futuri. Per una naturale estensione la licenza riguardava oltre la polimerizzazione dell'etilene anche quella delle altre olefine; anche noi, pur ignari del futuro, avevamo a buon conto chiesto e ottenuto da Ziegler una simile estensione prima di Hercules.

In seguito alle scoperte di Natta, apparve poi essere il polipropilene possibile e più interessante del polietilene; in tutti i Paesi, salvo negli Stati Uniti dove l'esame è tutt'ora pendente, la priorità delle scoperte di Natta è stata riconosciuta col rilascio di brevetti.

In più, Hercules aveva acquisito il know-how per il polietilene da Hoechst, che aveva avuto da Ziegler i diritti per il polietilene e le olefine superiori per la Germania e aveva costruito un impianto per la produzione di polietilene e di polipropilene; Hoechst afferma di non aver passato a Hercules il know-how per il polipropilene.

I "futuri" diritti brevettuali di Ziegler in America in fatto di polipropilene sono quelli dello Z-VI che il Patent Office ha dichiarato in interferenza con le domande Montecatini.

Non fu difficile a Hercules, in base anche alla ormai vasta letteratura comprese le pubblicazioni di Natta, e i testi dei brevetti Montecatini pubblicati in Europa, di avviare, accanto alla produzione di polietilene Ziegler, anche quella del polipropilene isotattico scoperto da Natta. Hercules ha dichiarato che produce polipropilene in base a proprie ricerche, sensa aver avuto know-how da nessuno. Il prodotto Hercules è simile a quello Natta fabbricato da Montecatini.

Hercules ha fatto una discriminazione fra i diritti brevettuali sul polipropilene Ziegler e quelli Montecatini. Ha acquisito i primi, ed è da supporre che paghi royalties a Ziegler(che Ziegler dovrebbe dare in parte a Montecatini in forza agli accordi di Pool; è da vedere se lo fa); ha riflutato i secondi, secondo i quali invece di fatto produce e guadagna.

Il solo appunto che si può fare a Hercules è di produrre commercialmente e avere degli utili sensa una posizione brevettuale potenziale paragonabile a quella di chi, come Montecatini, ha dato un contributo importante o fondamentale alla polimerissazione del propilene; in altre parole di profittare sulle invenzioni altrui durante il periodo prolungato della vacanza brevettuale.

Senonchè, una risposta implicherebbe appunto l'emissione del giudizio brevettuaie. Il vero colpevole è la lungaggine della procedura americana, e Hercules ha profittato di ció. Un'azione "cautelativa" contro Hercules intesa a inibire la produzione fino a quando non sia risolta la situazione brevettuale, sarebbe destinata all'insuccesso perchè "contraria al progresso e al benessere", etc.; non è pensabile di fermare una produzione come quella Hercules. In più, una simile azione sarebbe in contraddizione con l'intenzione di Montecatini di produrre o di dare licenze per produrre negli Stati Uniti in pendenza delle decisioni del Fatent Office.

Or/sl.

digit

Messrs. TOULMIN & TOULMIN Pennsylvania Building WASMINGTON D.C. 19/6/53

AMY/gl

copy to: Mesers. Toulmin & Toulmin

Toulmin Building

308 West First Street

BAYTON 2, OHIO

Gentlemen:

Hercules Powder Company (our ref. 105/81)

During his recent visit to Milan, Mr. Toulmin advised us that (though as a rule only a granted U.S. patent can technically be "infringed") some form of damages can be recovered by the patentee also with respect to facts that have taken place before the grant, if he has suitably warned in due time the prospective infringer. Mr. Toulmin advised us also that this procedure may be followed in the case of Hercules Powder Company, and we ask you therefore to kindly proceed and send a suitable warning to the said U.S. Company.

Very truly yours

"MONTECATINI "

to my Crosm une de Vande

Story of M

original by air mail copy by air mail two days later