

10-2-00



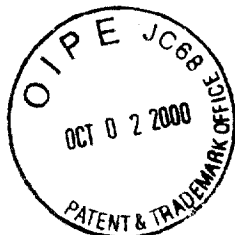
101501377

To the Honorable Commissioner of Patents and Trademarks: Please

by thereof.

1 Name of Conveying party(ies):
 Sabine GENICOT
 Bernard KLOAREG
 Phillipe POTIN
 Brian RUDOLPH
 Gerhard De RUITER
 Bea PENNINKHOF
 Odile RICHARD

Additional name(s) of conveying party(ies) attached? Yes No



2. Name and address of receiving party(ies)
 Name: Hercules Incorporated

Internal Address: _____

3 Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: September 8, 8, August 29, September 5, 5, and September 1, 2000

Street Address: 1313 North Market Street

City: Wilmington State: DE ZIP: 19894

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/567,003

B. Patent No.(s)

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arnold Turk

Internal Address: P18666

Street Address: GREENBLUM & BERNSTEIN, P.L.C.
1941 Roland Clarke Place

City: Reston State: VA ZIP: 22091

6. Total number of applications and patents involved:

7. Total Fee (37 CFR 3.41)..... \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
19-0089
 (Attached duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arnold Turk, Reg.No. 33,094 Name of Person Signing
Steven J. Helmer, Reg. No. 40,475 Signature
10/2/00 Date

Total number of pages including cover sheet, attachments and document: 26

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

ASSIGNMENT

WHEREAS, **Sabine GENICOT**, a citizen of Belgium, whose post office address is 20, Rue Pol Pasquet, 29250 Saint Pol de Leon, France, **Bernard KLOAREG**, a citizen of France, whose post office address is Penn-Ar-Feunteun, 29420 Plouenan, France, **Phillipe POTIN**, a citizen of France, whose post office address is 377, Rue Marquise de Kergariou, 29680 Roscoff, France, **Brian RUDOLPH**, a citizen of Denmark, whose post office address is Overdrevsvejen 35, 4600 Køge, Denmark, **Gerhard De RUITER**, a citizen of The Netherlands, whose post office address is De Gaullesingel 62, 6716 LD Ede, The Netherlands, **Bea PENNINKHOF**, a citizen of The Netherlands, whose post office address is Lochemseweg 5a, 7214 RA Epse, The Netherlands, **Odile RICHARD**, a citizen of France, whose post office address is Le Bois Macquiau, 44440 Teille, France hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SULFOHYDROLASES, CORRESPONDING AMINO ACID AND NUCLEOTIDE SEQUENCES, SULFOHYDROLASE PREPARATIONS, PROCESSES, AND PRODUCTS THEREOF

for which they have filed an application for Letters Patent of the United States in the United States Patent and Trademark Office on May 9, 2000, which was awarded Application Number 09/567,003.

AND WHEREAS, **Hercules Incorporated**, a corporation organized and existing under the laws of Delaware, whose post-office address is 1313 North Market St., Wilmington, DE 19894, U.S.A., hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any ASSIGNEE acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by **Sabine GENICOT**, this 8th day of September 2000, at (address) ROSCOFF, 40 Rue Gambetta, FRANCE,

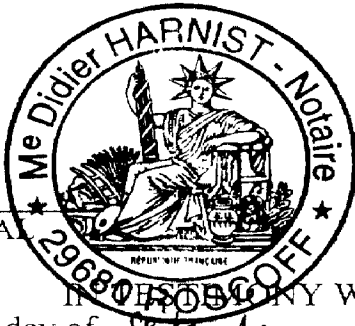
STATE OF FRANCE
COUNTY OF

Sabine GENICOT

SS. *Genicot*

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that M^{rs} GENICOT, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he executed the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this 8th day of September, 2000.



SEAL

Didier HARNIST
Notary Public

My commission expires _____

8th day of September 2000, at (address) ROSCOFF, 40 rue Gambetta, FRANCE

STATE OF FRANCE
COUNTY OF

Bernard KLOAREG

SS. *Kloareg*

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that M^r KLOAREG, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he executed the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this 8th day of September, 2000.



SEAL

Didier HARNIST
Notary Public

My commission expires _____

IN TESTIMONY WHEREOF, this assignment is executed by **Phillipe POTIN**, this 8th day of September 2000, at (address) ROSCOFF, 40 rue Gambetta, FRANCE.

Phillipe POTIN

STATE OF FRANCE)
) SS.
COUNTY OF _____)

[Handwritten signature of Phillipe POTIN]

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that H2. POTIN, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he executed the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this 8th day of September 2000.



SEAL

[Handwritten signature of Didier HARNIST]
Notary Public

My commission expires _____

[Handwritten signature/initials over the commission expiration line]

IN TESTIMONY WHEREOF, this assignment is executed by **Brian RUDOLPH**, this _____ day of _____ 2000, at (address) _____.

Brian RUDOLPH

STATE OF _____)
) SS.
COUNTY OF _____)

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that _____, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he executed the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this _____ day of _____, 20____.

Notary Public

My commission expires _____

SEAL

ASSIGNMENT

WHEREAS, **Sabine GENICOT**, a citizen of Belgium, whose post office address is 20, Rue Pol Pasquet, 29250 Saint Pol de Leon, France, **Bernard KLOAREG**, a citizen of France, whose post office address is Penn-Ar-Feunteun, 29420 Plouenan, France, **Phillipe POTIN**, a citizen of France, whose post office address is 377, Rue Marquise de Kergariou, 29680 Roscoff, France, **Brian RUDOLPH**, a citizen of Denmark, whose post office address is Overdrevsvejen 35, 4600 Køge, Denmark, **Gerhard De RUITER**, a citizen of The Netherlands, whose post office address is De Gaullesingel 62, 6716 LD Ede, The Netherlands, **Bea PENNINKHOF**, a citizen of The Netherlands, whose post office address is Lochemseweg 5a, 7214 RA Epse, The Netherlands, **Odile RICHARD**, a citizen of France, whose post office address is Le Bois Macquiau, 44440 Teille, France hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SULFOHYDROLASES, CORRESPONDING AMINO ACID AND NUCLEOTIDE SEQUENCES, SULFOHYDROLASE PREPARATIONS, PROCESSES, AND PRODUCTS THEREOF

for which they have filed an application for Letters Patent of the United States in the United States Patent and Trademark Office on May 9, 2000, which was awarded Application Number 09/567,003.

AND WHEREAS, **Hercules Incorporated**, a corporation organized and existing under the laws of Delaware, whose post-office address is 1313 North Market St., Wilmington, DE 19894, U.S.A., hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any ASSIGNEE acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ASSIGNMENT

WHEREAS, **Sabine GENICOT**, a citizen of Belgium, whose post office address is 20, Rue Pol Pasquet, 29250 Saint Pol de Leon, France, **Bernard KLOAREG**, a citizen of France, whose post office address is Penn-Ar-Feunteun, 29420 Plouenan, France, **Phillipe POTIN**, a citizen of France, whose post office address is 377, Rue Marquise de Kergariou, 29680 Roscoff, France, **Brian RUDOLPH**, a citizen of Denmark, whose post office address is Overdrevsvejen 35, 4600 Køge, Denmark, **Gerhard De RUITER**, a citizen of The Netherlands, whose post office address is De Gaullesingel 62, 6716 LD Ede, The Netherlands, **Bea PENNINKHOF**, a citizen of The Netherlands, whose post office address is Lochemseweg 5a, 7214 RA Epse, The Netherlands, **Odile RICHARD**, a citizen of France, whose post office address is Le Bois Macquiau, 44440 Teille, France hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SULFOHYDROLASES, CORRESPONDING AMINO ACID AND NUCLEOTIDE SEQUENCES, SULFOHYDROLASE PREPARATIONS, PROCESSES, AND PRODUCTS THEREOF

for which they have filed an application for Letters Patent of the United States in the United States Patent and Trademark Office on May 9, 2000, which was awarded Application Number 09/567,003.

AND WHEREAS, **Hercules Incorporated**, a corporation organized and existing under the laws of Delaware, whose post-office address is 1313 North Market St., Wilmington, DE 19894, U.S.A., hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any ASSIGNEE acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ASSIGNMENT

WHEREAS, **Sabine GENICOT**, a citizen of Belgium, whose post office address is 20, Rue Pol Pasquet, 29250 Saint Pol de Leon, France, **Bernard KLOAREG**, a citizen of France, whose post office address is Penn-Ar-Feunteun, 29420 Plouenan, France, **Phillipe POTIN**, a citizen of France, whose post office address is 377, Rue Marquise de Kergariou, 29680 Roscoff, France, **Brian RUDOLPH**, a citizen of Denmark, whose post office address is Overdrevsvej 35, 4600 Køge, Denmark, **Gerhard De RUITER**, a citizen of The Netherlands, whose post office address is De Gaullesingel 62, 6716 LD Ede, The Netherlands, **Bea PENNINKHOF**, a citizen of The Netherlands, whose post office address is Lochemseweg 5a, 7214 RA Epse, The Netherlands, **Odile RICHARD**, a citizen of France, whose post office address is Le Bois Macquiau, 44440 Teille, France hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SULFOHYDROLASES, CORRESPONDING AMINO ACID AND NUCLEOTIDE SEQUENCES, SULFOHYDROLASE PREPARATIONS, PROCESSES, AND PRODUCTS THEREOF

for which they have filed an application for Letters Patent of the United States in the United States Patent and Trademark Office on May 9, 2000, which was awarded Application Number 09/567,003.

AND WHEREAS, **Hercules Incorporated**, a corporation organized and existing under the laws of Delaware, whose post-office address is 1313 North Market St., Wilmington, DE 19894, U.S.A., hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any ASSIGNEE acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

1



ASSIGNMENT

WHEREAS, **Sabine GENICOT**, a citizen of Belgium, whose post office address is 20, Rue Pol Pasquet, 29250 Saint Pol de Leon, France, **Bernard KLOAREG**, a citizen of France, whose post office address is Penn-Ar-Feunteun, 29420 Plouenan, France, **Phillipe POTIN**, a citizen of France, whose post office address is 377, Rue Marquise de Kergariou, 29680 Roscoff, France, **Brian RUDOLPH**, a citizen of Denmark, whose post office address is Overdrevsvejen 35, 4600 Køge, Denmark, **Gerhard De RUITER**, a citizen of The Netherlands, whose post office address is De Gaullesingel 62, 6716 LD Ede, The Netherlands, **Bea PENNINKHOF**, a citizen of The Netherlands, whose post office address is Lochemseweg 5a, 7214 RA Epse, The Netherlands, **Odile RICHARD**, a citizen of France, whose post office address is Le Bois Macquiau, 44440 Teille, France hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SULFOHYDROLASES, CORRESPONDING AMINO ACID AND NUCLEOTIDE SEQUENCES, SULFOHYDROLASE PREPARATIONS, PROCESSES, AND PRODUCTS THEREOF

for which they have filed an application for Letters Patent of the United States in the United States Patent and Trademark Office on May 9, 2000, which was awarded Application Number 09/567,003.

AND WHEREAS, **Hercules Incorporated**, a corporation organized and existing under the laws of Delaware, whose post-office address is 1313 North Market St., Wilmington, DE 19894, U.S.A., hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any ASSIGNEE acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives. in accordance herewith.

Odile RICHARD - le Bois Oracquin - 46 TCIE - me
à ANGENIS (44) le 21 mai 1970 - Carte d'identité
960244400223 délivrée le 26-2-92 par S. Préf. d'ANGENIS

P18666.AS1

IN TESTIMONY WHEREOF, this assignment is executed by Odile RICHARD,
this 1 day of SEPTEMBER 2000, at (address) _____

Odile

Odile RICHARD

DEPARTMENT _____
STATE OF HERAULT (France))
COUNTY OF Montpellier) SS.

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that
Odile RICHARD, personally known to me to be the same person whose name is subscribed to the
foregoing instrument, appeared before me this day in person and acknowledged that he executed the said
instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this 1st day of
10 September, 2000.

Notary Public
My commission expires Permanente

SEAL



M^e René ANDRIEU
NOTAIRE
11, Gde-Rue Jean-Moulin
MONTPELLIER