

11-22-2000

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Y

TO THE ASSISTANT COMMISSIONER (101524958
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Frank Elischewski
 - 3. Alfred Puhler
 - 5. Jurgen Dohmen
 - 7. Georg Thierbach
 - 2. Jorn Kalinowski
 - 4. Nicole Dusch
 - 6. Mike Farwick
 - 8.
- ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO



2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Degussa-Huls Aktiengesellschaft

ADDRESS: D-60287 Frankfurt am Main, Germany

09680B10

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: 1&6) November 8, 1999; 2&4) November 9, 1999; 3) November 12, 1999; 5) November 11, 1999 and 7) November 3, 1999

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in Item 1	B. PATENT NO(S)	M#	1st INVENTOR if not in Item 1
09	268418				
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918			6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>		
5.5 ATTY DKT: PMS 268418 MATTER NO.			7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40		
980101 BT CLIENT REF.			8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 21123 dup. sheet not required		
			268418 CLIENT NO. MATTER NO.		

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.

Ann S. Hobbs

Signature

Attorney: Ann S. Hobbs

Reg. No. 36830

Atty/Sec: ASH/maf

TEL: (202) 861-3063

Date: October 6, 2000

FAX: (202) 822-0944

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	5
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FILE WITH PTO RETURN RECEIPT (PAT-103A)

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Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

USA Patent Appl.
Sole or Joint

For Inventions made outside USA
executed with or after application

Atty. Dkt. PM264055 980101BT
M# Client Ref.

NONPROVISIONAL

**ASSIGNMENT
OF NONPROVISIONAL APPLICATION**

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Frank ELISCHWESKI	(2) Jorn KALINOWSKI
(3) Alfred PUHLER	(4) Nicole DUSCH
(5) Jurgen DOHMEN	<input checked="" type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

Degussa-Huls Aktiengesellschaft
D-60287 Frankfurt am Main
Germany

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

PROCESS FOR THE PREPARATION OF PANTOTHENIC ACID BY AMPLIFICATION OF NUCLEOTIDE SEQUENCES WHICH CODE FOR KETOPANTOATE REDUCTASE

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →
(Complete

(A) even date herewith

(B) on

line A, B and/or C)

(C) in U.S. Appl. No. 09/416,756

filed October 12, 1999

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

DATE SIGNED

WITNESSES

1):
Name: Frank ELISCHWESKI

2):
Name: Jorn KALINOWSKI

3):
Name: Alfred PUHLER

4) Name:
Name: Nicole DUSCH

5) Name:
Name: Jurgen DOHMEN

11/08/99

Nov. 09, 1999

11/12/93

S. Malmivaara

S. Malmivaara

S. Malmivaara

S. Malmivaara

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INVENTORS

DATE SIGNED

WITNESSES

1): Name:	Frank ELISCHWESKI		
2) Name:	Jorn KALINOWSKI		
3) Name:	Alfred PUHLER		
4) Name:	<i>Nicole Dusch</i>	11-9-99	<i>S. Malmivaara</i>
Name:	Nicole DUSCH		S. Malmivaara
5) Name:	Jurgen DOHMEN		
Name:	Jurgen DOHMEN		

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	(5) Jurgen DOHMEN	<input checked="" type="checkbox"/> x box if continued on page 2

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1):	_____	_____	_____
Name:	<u>Frank ELISCHWESKI</u>		
2):	_____	_____	_____
Name:	<u>Jorn KALINOWSKI</u>		
3):	_____	_____	_____
Name:	<u>Alfred PUHLER</u>		
4) Name:	_____	_____	_____
Name:	<u>Nicole DUSCH</u>		
5) Name:	<u>J. Dohmen</u>	<u>11/11/99</u>	<u>Hermann Dohmen</u>
Name:	<u>Jurgen DOHMEN</u>		<u>Hermann DOHMEN</u>

ASSIGNMENT
(Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

INSERT
NAME(S) OF
INVENTOR(S)

(6) Mike FARWICK	(7) Georg THIERBACH
(8)	(9)
(10)	(11)
(12)	(13)
(14)	(15)

SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

	<u>INVENTORS</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
6):	<i>Mike Farwick</i>	<i>11/08/1999</i>	<i>Steph Hlaw</i>
Name:	Mike FARWICK		
7)	<i>Georg Thierbach</i>	<i>11/03/1999</i>	<i>Steph Hlaw</i>
Name:	Georg THIERBACH		
8)			
Name:			
9)			
Name:			
10)			
Name:			
11)			
Name:			
12)			
Name:			
13)			
Name:			
14)			
Name:			
15)			
Name:			