



MAN 2-1-00

To the Honorable Commissioner of Patent

101296660

and original documents or copy thereof.

1. Name of conveying party(ies):
Karsten Fischer
Jlf-Ingo Flügge
Andreas Weber
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: BASF Aktiengesellschaft
Street Address: _____
City: Ludwigshafen Country: Germany ZIP: 67056
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date(s): December 7, 1999

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date(s) of the application is/are:
_____ and the attorney docket number is: GFB-3

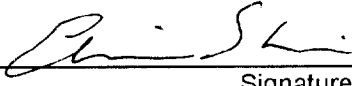
A. Patent Application No.(s)

B. Patent No.(s)
US 5,981,219
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: James F. Haley, Jr., Esq.
Internal Address: _____
Street Address: c/o Fish & Neave
1251 Avenue of the Americas
City: New York State: NY ZIP: 10020-1104

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
 Charge excess/credit overpayment to deposit account
8. Deposit account number:
06-1075
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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.
Elinor K. Shin  January 21, 2000
Name of Person Signing Signature Date

Reg. No. 43,117 Total number of pages including cover sheet, attachments, and 6

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

ASSIGNMENT

I/We,

- (1) Karsten Fischer;
- (2) Ulf-Ingo Flügge; and
- (3) Andreas Weber;

residing, respectively, at

- (1) Berrenrather Str. 460,
50354 Hürth-Efferen, Germany;
- (2) Pastoratsstr. 1,
50997 Köln, Germany; and
- (3) Euskirchener Str. 32,
50937 Köln, Germany;

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to BASF Aktiengesellschaft, a corporation organized and existing under the laws of Germany and having an office and a place of business in Ludwigshafen, Germany its successors and assigns: (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in the application for Letters Patent in the United States entitled: "DNA MOLECULES WHICH CODE FOR A PLASTID 2-OXOGLUTARATE/MALATE TRANSLOCATOR", and filed in the United States Patent and Trademark Office on December 12, 1996, under Serial Number 08/750,723, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent

applications in the name of BASF Aktiengesellschaft or its designee, or in my/our names at BASF Aktiengesellschaft or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I/We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to BASF Aktiengesellschaft as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I/We agree, at any time, upon the request of BASF Aktiengesellschaft to execute and to deliver to BASF Aktiengesellschaft any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I/We further agree at any time to execute and to deliver upon request of BASF Aktiengesellschaft such additional documents, if any, as are necessary or

desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of BASF Aktiengesellschaft under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:

- (1) Karsten Fischer Dec 7, 99
KARSTEN FISCHER Date
- (2) Ulf-Ingo Flügge Dec 7, 1999
ULF-INGO FLÜGGE Date
- (3) Andreas Weber Dec 7, 1999
ANDREAS WEBER Date

UR. Nr. 1157/1999

On this 7th day of ~~October~~ ^{december}, 1999,
Karsten Fischer personally appeared before me, a Notary Public in and for the Cobgne, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.



Notary Public

Notar Dr. Albert Pöttgen
Kerpener Str. 111, 50937 Köln
Telefon 02 21 / 41 39 55
Telefax 02 21 / 44 78 12

December
On this 7th day of ~~October~~, 1999,
Ulf-Ingo Flügge personally appeared before me, a Notary
Public in and for the Cologne, and executed the
foregoing Assignment and duly acknowledged to me that
such Assignment was executed for the uses and purposes
therein expressed.



Notary Public

Notar Dr. Albert Pöttgen
Kerpener Str. 111, 50937 Köln
Telefon 0221/413255
Telefax 0221/447812

December
On this 7th day of ~~October~~ 1999,
Andreas Weber personally appeared before me, a Notary
Public in and for the Cologne, and executed the
foregoing Assignment and duly acknowledged to me that
such Assignment was executed for the uses and purposes
therein expressed.



Notary Public

Notar Dr. Albert Pöttgen
Kerpener Str. 111, 50937 Köln
Telefon 0221/413255
Telefax 0221/447812

ACKNOWLEDGMENT OF ASSIGNEE:

BASF Aktiengesellschaft

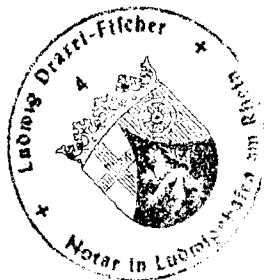
By:

ppa. Stark W. Bieberbach
Dr. Stark Dr. Bieberbach

Title:

representatives

December
On this 16th day of ~~October~~ 1999, Dr. Vera Stark and
Dr. Andreas Bieberbach personally appeared before me, a Notary
Public in and for the Germany, and duly
acknowledged the executed Assignment on behalf of the
Assignee.



Notary Public

U.R.Nr. 4421/99

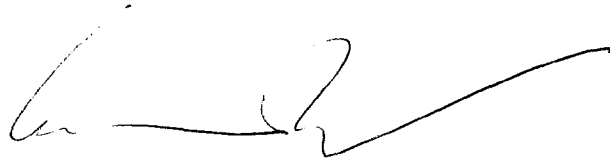
I, Ludwig Draxel-Fischer, notary public at Ludwigshafen/Rhine, Federal Republic of Germany, hereby testify and confirm that the foregoing signatures of

1. graduate chemist Dr. Vera **Stark**, chemist in Ludwigshafen/Rhine, personally known to me,
2. graduate chemist Dr. Andreas **Bieberbach**, chemist at Ludwigshafen/Rhine, personally known to me,

are true and valid.

After having checked today the competent register of commerce, I herewith confirm that graduate chemist Dr. Stark and graduate chemist Dr. Bieberbach are authorized to jointly represent BASF Aktiengesellschaft, Ludwigshafen/Rhein. I certify that this firm is a juristic person duly organized under the laws of the Federal Republic of Germany and that it is registered at the District Court of Ludwigshafen/Germany (HR B 3000).

Ludwigshafen/Rhine, this 16th day of December, 1999



notary public

Wert: 10.000,-- DM