

MURD  
7-31-02

A/D 587.40

10/182634  
REC'D PCT/PTO 31 JUL 2002

09-24-2002

ASSIGNME



102231197

To the Honorable Commissioner of Patents and T. ....  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)  
Ernst HEINZ, Thorsten ZANK, Ulrich ZAEHRINGER,  
Jens LERCHL, Andreas RENZ

2. Name and address of receiving party(ies)

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

BASF Aktiengesellschaft  
Street Address: 67056 Ludwigshafen  
Germany

3. Nature of conveyance:

Assignment // Merger  
 Security Agreement // Change of Name

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP \_\_\_\_\_

Execution Date: 2/22/01

Additional name(s) & address(es) attached?  
// Yes /X/ 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:

JUL 3 2002

A. Patent Application No.(s)

10182634

B. Patent No.(s)

Additional numbers attached? // Yes /X/ No

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

6. Total number of applications and  
patents involved: 1

Name: Herbert B. Keil  
Internal Address: \_\_\_\_\_

7. Total Fee(37 CFR 3.41).... \$ 40.00

Street Address: Keil & Weinkauf  
10182634 350 Connecticut Ave. N.W.  
City: Washington State: D.C ZIP: 20036

8. Deposit Account 11-0345 if fee is  
deficient or not attached /X/

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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.

Herbert B. Keil  
Name of Person Signing

Herbert B. Keil  
Signature

July 30, 02  
Date

Total number of pages

08/06/2002 LLANDGRA 00000005 10182634

03 FC:581

40.00 DP

PATENT  
REEL: 013308 FRAME: 0270

## Assignment of Application

0050/051159

WHEREAS, I (WE)

*Ernst Heinz, Püttkampsweg 13, 22609 Hamburg, Germany*  
*Citizen of Germany*

*Thorsten Zank, Lorenzengasse 13, 22303 Hamburg, Germany*  
*Citizen of Germany*

*Ulrich Zähringer, Parkallee 22, 23845 Borstel, Germany*  
*Citizen of Germany*

*Jens Lerchl, Im Steg 36, 68526 Ladenburg, Germany*  
*Citizen of Germany*

*Andreas Renz, Heinrich-von-Kleist-Str.6, 67117 Limburgerhof, Germany*  
*Citizen of Germany*

respectively, have invented certain new and useful improvements in

NOVEL ELONGASE GENE, AND PROCESS FOR THE PREPARATION  
OF POLYUNSATURATED FATTY ACIDS

for which an application for Letters Patent was executed on

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, *BASF Aktiengesellschaft (hereinafter referred to as "ASSIGNEE")*, having a place of business at *67056 Ludwigshafen, Germany*, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

FURTHER, I (WE) agree that I (WE) will communicate to said ASSIGNEE, or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries


The undersigned hereby grant(s) the firm of **Keil & Weinkauff**, 1101 Connecticut Ave., N. W., Washington, D. C. 20036 the power to insert on this assignment any further identification. including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

0050/051159

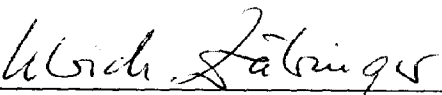
Date: February 22, 2001

  
(Signature of Inventor) Ernst Heinz


Date: February 22, 2001

  
(Signature of Inventor) Thorsten Zank

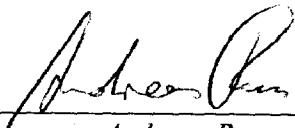
Date: February 22, 2001

  
(Signature of Inventor) Ulrich Zähringer

Date: February 22, 2001

  
(Signature of Inventor) Jens Lerchl

Date: February 22, 2001

  
(Signature of Inventor) Andreas Renz