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4-10-01

 Name of conveying party(ies) 	2. Name and address of receiving party(ies)			
Bruno KÄSLER; Hermann SAHM; Klaus-Peter STAHMANN;	BASF Aktiengesellschaft			
Georg SCHMIDT; Thoe BÖDDECKER; and Harald SEULBERGER	67056 Ludwigshafen FED REP OF GERMANY <u>AND</u> Forschungszentrum Jülich GmbH 52428 Jülich FED REP OF GERMANY			
dditional name(s) of conveying party(ies) ttached / /Yes /X/No				
. Nature of conveyance:				
x/ Correction of Assignment Recorded 1/5/98, Reel 8979, Frame 0331	Additional name/a) [address/og) attached?			
execution Date: 7/29 and 8/5/1996	Additional name(s) & address(es) attached? // Yes /x/ No			
. Application number(s) or patent number(s):				
If this document is being filed together with a new appliche execution date of the application is:	Lication,			
A. Patent Application No.(s)	B. Patent No.(s)			
08/981,690 (now U.S. 5,976,844)				
Additional numbers attac	ched? //Yes /x/No			
. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and and patents involved: / 1			
be mailed:	7. Total Fee(37 CFR 3.41) § 40. Since the omitted name was on the			
Name: Herbert B. Keil Internal Address:	original document, no fee should be required.			
Street Address: Keil & Weinkauf 1101 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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1 1/10/1/				
Herbert B. Keil	4-10-01			
Name of Person Signing Signat	ture Date			

Total number of pages 5

PATENT REEL: 011692 FRAME: 0047

02-27-1998

100643117

A/D 581-\$40 08/981690 76 Rec'd PCT/PTC 0 5 JAN 1998

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. MR 1-5-5 1. Name of conveying party(ies) Bruno KAESLER, Hermann SAHM, Klaus-Peter STAHMANN, Georg SCHMIDT, Theo BOEDDECKER, Harlad SEULBERGER

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

3. Nature of conveyance:

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Execution Date: 7/29, 8/5/1996

2.	Name	and	address	οf	receiving	party(168)

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		Germa	ny
City:		State	: ZIP

Additional name(s) & address(es) attached?

4.	Application	number(s)	or	patent	number	8) :

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

JAN 5 1998

A. Patent Application No.(s)

B. Patent No.(s)

1 FORM COVER SHEET

Additional numbers attached? / / Yes /x/ No

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

Street Address: Keil & Weinkauf

Herbert B. Keil Name: Internal Address:

1101 Connecticut Ave.

City: Washington State: D.C ZIP: 20036

Total number of applications and and patents involved: 6.

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Herbert B. Keil

Name of Person Signing

Total number of pages 2



PATENT REEL: 011692 FRAME: 0048

Assignment of Application

O. Z. 0050/46021/46645

WHEREAS, I (WE)

Bruno Käsler, Magdeburger Str.72, 67071 Ludwigshafen Hermann Sahm, Wendelinusstr. 71, 52428 Jülich Klaus-Peter Stahmann, Wilhelmstr. 11, 52428 Jülich Georg Schmidt, Heerstr. 10, 52457 Aldenhoven Theo Böddecker, Robert-Koch-Str. 7, 52428 Jülich

Harald Seulberger, Adalbert-Stifter-Str. 4, 69221 Dossenheim

Federal Republic of Germany

citizen(s) of the Federal Republic of Germany

respectively, have invented certain new and useful improvements in

Preparation of riboflavin using microorganisms having an altered isocitrate lyase activity

for which an application for Letters Patent was executed on

(Application No.

. filed

), and

WHEREAS, BASF Aktiengesellschaft, having a place of business at 67056 Ludwigshafen, Federal Republic of Germany and Forschungszentrum Jülich GmbH, having a place of business at 52428 Jülich, Federal Republic of Germany, (hereinafter referred to as "ASSIGNEES"), are 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 One Dollar (\$1.00), 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 ASSIGNEES, 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 ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, 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 ASSIGNEES, 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, 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 Messrs. Keil & Weinkauf, 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.

Date: 05/08/96/Almann
Hermann Sahm

Klaus-Peter Stahmann

US Assignment Form 03 09/95

Date: 05/08/98/20 Buileele

RECORDED: 04/10/2001

REEL: 011692 FRAME: 0049