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To the Honorable Commissioner of Trademarks. Please	record the attached original documents or copy thereof.				
1. Name of conveying party(ies): 11-21-01	2. Name and address of receiving party(ies):				
1. Brigitte BATHE; 2. Walter PFEFFERLE; 3. Klaus	Name: DEGUSSA AG				
HUTHMACHER; 4. Christian RUECKERT; 5. Joern KALINOWSKI; 6. Alfred PUEHLER; 7. Michael BINDER; 8. Dieter GREISSINGER; 9. Georg THIERBACH Additional name(s) of conveying party(ies) attached? □Yes ■No	Address: Benningsenplatz 1 DE-40474, Duesseldorf GERMANY				
3. Nature of Conveyance:					
■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other					
August 9, 2001; August 13, 2001; August 15, 2001; August 20, 2001; Execution Date: August 22, 2001	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 ex	secution date of the application is:				
A. Patent Application No.(s) 09/919,831	B. Patent No.(s)				
Additional numbers attache	ed? □Yes ■No				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1				
	7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account				
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9. Statement and signature	is true and correct and any attached copy is a true copy				
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.					
Daniel J. Pereira, Ph.D.					
Name of Person Signing					
Registration Number: 45,518					
Total number of pages including this cover sheet: 5					
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Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

Assignment Of Application

Page 1 of 3

	WHEREAS, I (WE)				
NSERT NAMES	Brigitte BATHE, Twieten 1, DE-33154, Salzkotten, Germany				
ND RESIDENCE DDRESSES OF HE INVENTORS:	Walter PFEFFERLE, Jahnstrasse 33, DE-33790, Halle (Westf.), Germany				
	Klaus HUTHMACHER, Laerchenweg 18, DE-63584 Gelnhausen, Germany				
	Christian RUECKERT, Agnesstrasse 49, DE-33335, Guetersloh, Germany				
	Joern KALINOWSKI, Lenbachstrasse 19, DE-33615, Bielefeld, Germany				
	Alfred PUEHLER, Am Waldschloesschen 2, DE-33739, Bielefeld, Germany				
	Michael BINDER, Kalberkamp 28, DE-33803, Steinhagen (Westf.), Germany				
	Dieter GREISSINGER, Augasse 1f, DE-61194, Niddatal, Germany				
	Georg, THIERBACH, Gunststrasse 21, DE-33613, Bielefeld, Germany				
	, respectively,				
SERT TITLE	have invented certain new and useful improvements in:				
<u>-</u>	Nucleotide Sequences Which Code for the metR and metZ Genes,				
ISERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on August 9, 2001, August 13, 2001 August 15, 2001, August 20, 2001 and August 22, 2001 (Application No09/919,831, filed _August 2, 2001), and				
NSERT NAME IND ADDRESS OF OMPANY OR ITHER ASSIGNEE:	WHEREAS,DEGUSSA AG				
	(hereinafter referred to as "ASSIGNEE") having a place of business at:				
	DE-40474, Duesseldorf, 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.

1/95

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 Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: 08/09/01	(Signature of Inventor Brigitte BATHE
Date: 08/13/01	(Signature of Inventor) Walter PFEFFERLE
Date: 08/22/07	(Signature of Inventor) Klaus HUTHMACHER
Date:	(Signature of Inventor) Christian RUECKERT
Date:	(Signature of Inventor) Joern KALINOWSKI
Date:	(Signature of Inventor) Alfred PUEHLER
Date: 08 15 01	(Signature of Invintor) Michael BINDER
Date: 08/ 20/01	(Signature of Inventor) Dieter GREISSINGER

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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Date:			
Date		(Signature of Inventor)	Brigitte BATHE
Date:		(Signature of Inventor)	Walter PFEFFERLE
Date:		(Signature of Inventor)	Klaus HUTHMACHER
Date: 08/13	/2001	(Signature of Inventor)	Christian RUECKERT
Date:08/13	/2001	(Signature of Inventor)	Jose Colice
Date: 08/13	/2001	(Signature of Inventor)	Alfred PUEHLER
Date.		(Signature of Inventor)	Alined Fullible
Date:		(Signature of Inventor)	Michael BINDER
Date:		(Signature of Inventor)	Dieter GREISSINGER

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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Date: 708/15/01	(Signature of Inventor) Georg THIERBACH
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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RECORDED: 11/21/2001