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1. NAME OF CONVEYING PAR				Market Market Market Market	*
1. Karlheinz DRAUZ		2. Stan M. ROBE		10	•
3. Thomas GELLER 5.		4. Anupma DHA	NDA /		.v
7.		8.		MAR 3 1 86	
ADDITIONAL NAME(S) OF CO	NVEYING PARTY(IES) ATTACH	IĖD? ∐YES ⊠N	o		
2. PARTY(IES) (ASSIGNEE(S))					
NAME: Degussa-Huls Aktienges	ellschaft				
ADDRESS: D-60287 Frankfurt a	ım Main, Germany				
ADDITIONAL NAME(S) & ADDF	RESS(ES) ATTACHED? TYES	s ⊠no			
3. NATURE OF CONVEYANCE	(DOCUMENT):				
(Submit herewith only one do	ocument for recordation—multipl	e copies of same As	ssignment sig	ned by differe	nt inventors is one
document) ⊠ASSIGNMENT OF		DEST EX	/EC DATE: /	(1) January 25	2000, (2) Innues
⊠ORIGINAL	FACSIMILE/PHOTOCOPY		. 2000: (3) Ja	nuary 27 200	i, 2000; (2) January 00; (4) February 2,
CHANGE OF NAME	VERIFIED TRANSLATION		00		0, (1) 1 oblidary 2,
SECURITY	☐MERGER ☐OTHER:				
EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) (1) January 25, 2000; (2) January 31, 2000; (3) January 27, 2000; (4) February 2, 2000)					
4.5 APPL. NO.(S) OR PAT NO.(				⊠NO	
A. PAT. APP. NO;(S) M# series code/serial no	1* INVENTOR If not in item 1	B. PATENT NO	S)   M#    -		1# INVENTOR if not in item 1
09/453,711 26499					in not in them.
5. Name & Address of Party to		6. NUMBER IN	VOLVED:		
Concerning Document Shoul	d be Mailed:	APPLNS <u>1</u> +	PATS $0 = 0$	TOTAL	<u>1</u>
Pillsbury Madison & Sutro LLF	<b>)</b>	7. AMOUNT OF			81)
Intellectual Property Group		ABOVE TOTA	$L \times $40 = $40$	0	
1100 New York Avenue, NW Ninth Floor					
Washington, DC 20005-3918					
5.5 ATTY DKT:		8. IF ABOVE FEE			
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9. STATEMENT AND SIGNATU					
	and belief, the foregoing information	ation is true and con	rect and any a	attached copy	is a true copy of
the original document.		<u> </u>			
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Attorney: Ann S. Hobbs					
Reg. No. 36830		Date: March 3	1, 2000		
Atty/Sec: ASH/nmw	TEL: (202) 861-3063		2) 822-0944		
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#### NONPROVISIONAL

## **ASSIGNMENT** OF NONPROVISIONAL APPLICATION

**NONPROVISIONAL** 

the undersign			llars (\$10.00	) and other good and	val	uable consideration paid to each of	
INSERT	ſ	(1) Karlheinz DRAUZ			(2)	Stan M. ROBERTS	
NAME(S) OF	Ì	(3) Thomas GELLER			(4)	Anupma DHANDA	
INVENTOR(S	) [	(5)				x box if continued on page 2	
the receipt and transfer(		iency of which are hereby acknowle	edged by the	undersigned who at	the	e request of, hereby sell(s), assign(s)	
INSERT	Degussa-Huls Aktiengesellschaft						
NAME(S) OF	_	D-60287 Frankfurt am Main					
ASSIGNEE(S	)	Germany					
& ADDRESS(	(ES)						
	_						
(hereinafter desig any and all divisio	nated "ASS ons, continu	SIGNEE") the entire right, title and interest for the ations, substitutes, and reissues thereof; and all	United States of resulting patents	America as defined in 35 U.S , known as	3.C.	100, in the invention and all applications including	
TITLE OF INVENTION	Calaivsis for the enalitioselective epoxidation of C=C double bonds						
NOTE → → (Complete		for which the undersigned execute  (A)  even date herewith (B) on	ed an applica	tion for Letters Patent	ts o	of the United States of America:	
				December 3, 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 legals 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): _	17 - 11 - 1	- D			-		
	Karinein	einz Drauz					
2) \	Stop M	M. Roberts					
Name: 3)	ie. Stair W. Houdita						
	Thomas	.Geller			-		
4) Name:	10	in Mark		02.02-00		C.B. Dowson	
5) Name:					_		
Name:							

PAT-114 11/97

**PATENT REEL: 010666 FRAME: 0361**  Please return signed/recorded to:

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

For Inventions made outside USA executed with or after application

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# ASSIGNMENT NONPROVISIONAL

NONPROVISIONAL

Name:

OF NONPROVISIONAL APPLICATION

the undersiq	gned, to	wit:			·			
INSERT	[	(1) Karlheinz DRAUZ (2)			Stan M. ROBERTS			
NAME(S) OF	:	(3) Thomas GEL			) Anupma DHANDA			
INVENTOR(S	,	(5)			x box if continued on page 2			
•	and suffic	ciency of which are	hereby acknowledge	ed by the undersigned who at t	he request of, hereby sell(s), assign(s)			
INSERT		Degussa-Huls Aktiengesellschaft						
NAME(S) OF	•	D-60287 Frankfui						
ASSIGNEE(S	S) .	Germany						
& ADDRESS	(ES)							
(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		Catalysts for the	enantioselective epo	kidation of C=C double bonds				
NOTE → → (Complete			ersigned executed ar	n application for Letters Patents	of the United States of America:			
line A, B and/or C)			ppln. No. 09/453,7	11 filed	December 3, 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 legals 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.								
1): Name:	INVENT Sarlheir	TORS Sthering nz Drauz	Drawn	DATE SIGNED	WHINESSES Churchel Lens Schneider			
2)								
Name:	Stan M.	Roberts						
3)		-						
Name:	Thomas	s Geller						
4) Name:								
Name: 5) Name:	Anupma	a Dhanda						

PAT-114 11/97

PATENT REEL: 010666 FRAME: 0362 Please return signed/recorded to:

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the undersiç			en Dollars (\$10.00) a	nd other good and v	valuable consideration paid to each of	
NAME(S) OF (3)		(1) Karlheinz DRAUZ		(2	2) Stan M. ROBERTS	
		(3) Thomas GELLER			1) Anupma DHANDA	
		(5)			x box if continued on page 2	
the receipt and transfer			knowledged by the u	ndersigned who at t	he request of, hereby sell(s), assign(s)	
INSERT		Degussa-Huls Aktiengesells	chaft			
NAME(S) OF	F	D-60287 Frankfurt am Main				
ASSIGNEE(	S)	Germany				
& ADDRESS	S(ES)					
(hereinafter desi any and all divis	signated "AS sions, contin	SIGNEE") the entire right, title and intere uations, substitutes, and reissues thereof	st for the United States of An f; and all resulting patents, kn	nerica as defined in 35 U.S. lown as	C. 100, in the invention and all applications including	
TITLE OF Catalysts for the enantioselective epoxidation of C=C double bonds						
$\frac{\text{NOTE}}{\text{Complete}} \rightarrow$		for which the undersigned extends (A)  even date herewith (B) on		n for Letters Patents	s of the United States of America:	
line A, B and	d/or C)	(C) in U.S. Appln. No.	09/453,711	filed December 3, 1999		
hereinafter act	E, for its inter on behalf of AN SIGNEE to The	ID the undersigned hereby authorize(s) a rest as ASSIGNEE, its successors, assig said ASSIGNEE; ID the undersigned hereby agree(s) to te ASSIGNEE'S full protection and title in ar e undersigned hereby authorize(s) Pillsb	and request(s) the United Stans and legals representatives stify and execute any papers to to the invention hereby trans	s; the undersigned agree(s) for ASSIGNEE, its success nsferred.	ts and Trademarks to issue said Letters Patent to the that the attorney of record in said application shall ors, assigns and legal representatives, deemed hereon any further identification necessary or desirable	
Δ.	INVENTORS		<u>!</u>	DATE SIGNED	WITNESSES	
1): Name: 2)	Karlheii	arlheinz Drauz				
Name:	Stan M	Roberts		01/27/2000	Mofor Q The	
Name: 4) Name:	Thomas	s Geller			Welger Veintitt	
Name:	Anupm	a Dhanda				

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**PATENT REEL: 010666 FRAME: 0363** 

5) Name: Name: