Atty Docket No.:

222538US02



08-13-2002

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

FORM PTO-1595 1-31-92 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): 1) DEGUSSA AG Matthias KOTTENHAHN Meir LAHAV 2) YEDA RESEARCH AND DEVELOPMENT David ZBAIDA Name: Guenter KNAUP CO., LTD. Karlheinz DRAUZ 181812 Address: 1) Bennigsenplatz 1, 40474 Duesseldorf, Germany 2) Weizmann Institute of Science, P.O. Box 95, Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No 76100 Rehovot, Israel 3. Nature of Conveyance: Assignment ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: 06/08/02; 06/11/02; 06/16/02; Additional name(s) and address(es) attached? □Yes ■No 06/26/02; and 06/26/02 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: B. Patent No.(s) A. Patent Application No.(s) 10/181,411 Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Norman F. Oblon Signature Name of Person Signing Surinder Sachar Registration No. 34,423 Registration Number: 24,618 Total number of pages including this cover sheet: 5 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** 00000232 10181411 ba/12/2002 TDIAZ1 Washington, D.C. 20231 40.00 DP 1 FC:581

> **PATENT** REEL: 13173 FRAME: 0944

Assignment of Application

Page 1 of 2

	WHEREAS, I (WE) 1) Matthias KOTTENHAHN of:
NSERT NAMES	Brueckenstrasse 9, DE-63579 Freigericht, Germany
ND RESIDENCE DDRESS OF HE INVENTORS:	2) Guenter KNAUP of:
	Friedhofstrasse 8, DE-63486 Bruchkoebel, Germany
	3) Karlheinz DRAUZ of:
	Zur Marienruhe 13, DE-63579 Freigericht, Germany
	4) Meir LAHAV of:
	31 Meonot Shine, Weizmann Institute of Science, 76100 Rehovo, Israel
	5) David ZBAIDA of:
	8 Hamaavak Street, 53520 Givataim, Israel
	, respectively,
NSERT TITLE OF INVENTION:	have invented certain new and useful improvements in: RESOLUTION OF DL-RACEMIC MIXTURES
	•
NSERT DATE IN- TENTORS SIGNED DECLARATION:	for which an application for Letters Patent was executed onJune 8, 11, 16, and 26, 2002
	(Application No. <u>10/181,411</u> , filed <u>July 23, 2002</u>), and
NSERT NAME IND ADDRESS OF COMPANY OR OTHER ASSIGNEE	WHEREAS, 1) DEGUSSA AG and 2) YEDA RESEARCH AND DEVELOPMENT CO. LTD.
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 1) Bennigsenplatz 1, 40474
	Duesseldorf, Germany 2) Weizmann Institute of Science, P.O. Box 95, 76100 Rehovot, Israel
	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.

10/01

PATENT REEL: 13173 FRAME: 0945 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:	1 06/08/02		bullius botherale
Date:	1 06/11/02	(Signature of Inventor)	Matthias KOTTENHAHN Jih Meury
Date:	106/16/102	(Signature of Inventor)	Guenter KNAUP Weillein Avany
Date:	/	(Signature of Inventor)	Karlheinz DRAUZ
Date:		(Signature of Inventor)	Meir LAHAV
_		(Signature of Inventor)	David ZBAIDA
Date: _		(Signature of Inventor)	
Date: _		(Signature of Inventor)	
Date: _		(Signature of Inventor)	

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

10/01

PATENT REEL: 13173 FRAME: 0946

Assignment of Application

Page 1 of 2

	WHEREAS, I (WE)	1) Matthias KOTTENHAI	HN of:				
INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:		Brueckenstrasse 9, DE-	63579 Freigericht	t, Germany			
		2) Guenter KNAUP of:					
		Friedhofstrasse 8, DE-6	3486 Bruchkoebe	el, Germany			
	3) Karlheinz DRAUZ of:						
	Zur Marienruhe 13, DE-63579 Freigericht, Germany						
	4) Meir LAHAV of:						
	31 Meonot Shine, Weizmann Institute of Science, 76100 Rehovo, Israel						
		5) David ZBAIDA of:					
		8 Hamaavak Street, 5352	20 Givataim, Isra	el			
					, respectively,		
INSERT TITLE OF INVENTION:	have invented certain n	aw and useful improvements	in RESOLUTIO	ON OF DL-RACEMIC MIXT	-		
	nave invented certain in	cw and useful improvements	m <u>resource</u>				
INSERT DATE IN- VENTORS SIGNED DECLARATION	for which an applicatio	n for Letters Patent was exec	uted on Jun	ne 8, 11, 16, and 26	, 2002		
	(Application No.	10/181,411	, filed	July 23, 2002), and		
INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	(Application No. 10/181,411 , filed July 23, 2002), and WHEREAS, 1) DEGUSSA AG and 2) YEDA RESEARCH AND DEVELOPMENT CO. LTD.						
	(hereinafter referred to	as "ASSIGNEE") having a p	olace of business a	at: 1) Bennigsenplatz 1, 404	74		
		y 2) Weizmann Institute of S					
		4.4	at in and to sai	id invention and in and to any ssions and in any and all fore	y Letters Patent that ign countries;		
			c rave D(OLLARS (\$5.00), the receip (E), by these presents do sell,	t whereof is hereby		

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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, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, as the same would have been held by me (us) had this Assignment and sale not been made.

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Date:	
	(Signature of Inventor) Matthias KOTTENHAHN
Date:	(Signature of Inventor) Guenter KNAUP
	(Signature of Inventor) Guenter KNAUP
Date:	(Signature of Inventor) Karlheinz DRAUZ
Date: 26/6/02	len Len
Date: 26/6/02	(Signature of Inventor) Meir LAHAV D. 2baida
<i></i>	(Signature of Inventor) David ZBAIDA
Date:	(Signature of Inventor)
Date:	
	(Signature of Inventor)
Date:	(Signature of Inventor)

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

10/01

PATENT RECORDED: 08/08/2002 REEL: 13173 FRAME: 0948