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PATENTS ONLY

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

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1. Name of conveying party(ies): Christoph-Stephan HILGER Wolfgang EBERT Mary LEE-VAUPEL Johannes PLATZEK Jurgen CONRAD Bernd RADUCHEL No additional names attached	2. Name and address of receiving party(ies): SCHERING AKTIENGESELLSCHAFTCHAFT
3. Nature of Conveyance:	Address:
	Address.
⊠ assignment ☐ merger	Berlin, Germany
☐ security agreement ☐ change of name ☐ other	
otner .	No additional names(s) or address(es) attached ⊠
EXECUTION DATE: 11/08/96; 11/13/96;10/	28/96; 11/13/96; 10/30/96; 11/13/96
4. Application number(s) or patent numbe THIS DOCUMENT IS NOT BEING FILED WITH	r(s): A NEW APPLICATION.
A. Patent Application Number(s) 08/649,672	B. Patent Number(s)
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address: Arlington Court Plaza I Suite 1400 2200 Clarendon BLVD. Arlington, VA 22201	6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41) \$40.00 ☑ Check enclosed ☑ Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to 8. DEPOSIT ACCOUNT NO. 13-3402
DO NOT USE THIS S	PACE Q
9. Statement and Signature. To the best of my knowledge and belie correct and any attached copy is a true of A. E. Kenney Legal Assistant Signature	f, the foregoing information is true and copy of the original document. 11/25/98 Date
♦ Total number of pages including cov Attorney Docket # <u>SCH</u>	er sheet, attachments and documents: 4

REEL: 9603 FRAME: 0620

ASSIGNMENT WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named

1	ow) hereinanter referred to as the ASSIGNOR invented a certain improvement ref ,4,7,10-TETRAAZACYCLODODECANE DERIVATIVES, THEIR ONTAINING THESE COMPOUNDS AND PROCESS FOR THEIR F	USE, PHARMACEUTICAL AGENTS
	for which an application for Letters Patent to be filed in the United States Paten even date. for which U.S. Application Serial No	
	Patent and Trademark Office on	

SCHERING AKTIENGESELLSCHAFT Berlin, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification 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.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
HILGER, Christoph-Stephan	Suphan Hilk	08.11.36
202 FULL NAME OF SECOND JOINT INVENTOR, IF ANY	MVENTOR'S SIGNATURE	DATE
EBERT, Wolfgang	wallong still	3.11. 96
203 FULL NAME OF THIRD JOINT INVENTOR, IF ANY	UNYENTOR'S SIGNATURE	DATE
LEE-VAUPEL, Mary	· //	
204 FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
PLATZEK, Johannes	1 phy History	M. M. 96
205 FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR SIGNATURE	DATE
CONRAD, Jurgen		
206 FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	13. M. 96
RADUCHEL, Bernd	prod Collactul	
207 FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
211 FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	WW.T. T. C.	DATE
212 FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
		<u>L</u>

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AND WHEREAS

PATENT REEL: 9603 FRAME: 0621

ASSIGNMENT

AND WHEREAS

designating the United States.

SCHERING AKTIENGESELLSCHAFT Berlin, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

INVENTOR'S SIGNATURE	DATE
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INVENTOR'S SIGNATURE	DATE
INVENTOR'S SIGNATURE	DATE
INVENTOR'S SIGNATURE	DATE
INVENTOR'S SIGNATURE	DATE
	INVENTOR'S SIGNATURE INVENTOR'S SIGNATURE

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PATENT REEL: 9603 FRAME: 0622

ASSIGNMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to 1,4,7,10-TETRAAZACYCLODODECANE DERIVATIVES, THEIR USE, PHARMACEUTICAL AGENTS CONTAINING THESE COMPOUNDS AND PROCESS FOR THEIR PRODUCTION

	for which an application for Letters F	atent to be filed in the United States Pate	ent and Tradem	ark Office v	was executed on
	for which U.S. Application Serial No		for Letters	Patent was	filed in the U.S.
8	Patent and Trademark Office on for which an International Application designating the United States.	was filed on 10 November 1994	PCT/	EP94	,03718 .
	AND WHEREAS	SCHERING AKTIENGESELLSCH Berlin, Germany	AFT		

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all enters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

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EBERT, Wolfgang		
203 FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
LEE-VAUPEL, Mary		
204 FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
PLATZEK, Johannes		
205 FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
CONRAD, Jurgen	The Contract	130/16/96
206 FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
RADUCHEL, Bernd		
207 FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
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212 FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE

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PATENT REEL: 9603 FRAME: 0623