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05-29-2002

7 MAR 2002

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

10/018429



102105581

**N FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- New *03/07/02*
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

- Departmental File
- Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) Rolf *10/018429*

Execution Date		
Month	Day	Year
01	23	2002

Name (line 2) BOHLMANN

**Second Party**

Name (line 1) Nikolaus

Execution Date		
Month	Day	Year
01	23	2002

Name (line 2) HEINRICH

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) SCHERING AG

Name (line 2) \_\_\_\_\_

Address (line 1) Mullerstrasse 178

Address (line 2) \_\_\_\_\_

Address (line 3) Berlin Germany D-13353

City

State/Country

Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Millen, White, Zelano & Branigan, P.C.

Address (line 1) 2200 Clarendon Boulevard

Address (line 2) Suite 1400

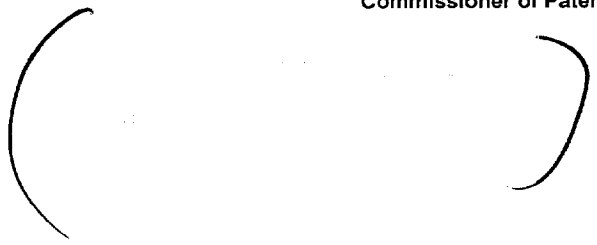
Address (line 3) Arlington, VA 22201

Address (line 4) \_\_\_\_\_

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231



**Correspondent Name and Address**

Area Code and Telephone Number

(703) 243-6333

Name Millen, White, Zelano & Branigan, P.C.

Address (line 1) 2200 Clarendon Boulevard

Address (line 2) Suite 1400

Address (line 3) Arlington, VA 22201

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 6

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

10/018,429

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:  
Deposit Account

Enclosed

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 13-3402

Authorization to charge additional fees:

Yes

No

**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. Charges to deposit account are authorized, as indicated herein.

Joann Hughes

Name of Person Signing

JoAnn P. Hughes  
Signature

5/7/02  
Date

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**Conveying Party(ies)**

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Enter additional Conveying Parties

Name (line 1)	<input type="text" value="Jorg"/>	Execution Date Month Day Year	<input type="text" value="01 24 2002"/>
Name (line 2)	<input type="text" value="KROLL"/>	Execution Date Month Day Year	<input type="text" value="03 06 2002"/>
Name (line 1)	<input type="text" value="Gerhard"/>	Execution Date Month Day Year	<input type="text" value="01 24 2002"/>
Name (line 2)	<input type="text" value="SAUER"/>		
Name (line 1)	<input type="text" value="Karl-Heinrich"/>		
Name (line 2)	<input type="text" value="FRITZEMEIER"/>		

**Receiving Party(ies)**

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)	<input type="text"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached (Designation must be a separate document from Assignment.)
Name (line 2)	<input type="text"/>	
Address (line 1)	<input type="text"/>	
Address (line 2)	<input type="text"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Address (line 3)	<input type="text"/>	
City	State/Country	
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Mark if additional numbers attached

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Patent Application Number(s)			Patent Number(s)		
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CONTINUATION  
PATENTS ONLY**

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Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

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PATENTS ONLY**

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*Enter additional Conveying Parties*

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Month Day Year

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Execution Date  
Month Day Year

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Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

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Execution Date  
Month Day Year

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**Patent Number(s)**

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# ASSIGNMENT

ATTY. DOCKET NO.:

SCH 1851

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

## 11 $\beta$ LONG-CHAIN SUBSTITUTED ESTRATRIENES, METHOD FOR THEIR PRODUCTION, PHARMACEUTICAL PREPARATIONS CONTAINING SAID 11 $\beta$ LONG-CHAIN SUBSTITUTED ESTATRIENES, AND THEIR USE FOR PRODUCING MEDICAMENTS

- for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
- for which U.S. Application Serial No. 10/018,429 for Letters Patent was filed in the U.S. Patent and Trademark Office on 21 DECEMBER 2001
- for which an International Application was filed on 26 JUNE 2000 as PCT/EP00/05969, designating the United States.

AND WHEREAS  
 SCHERING AG  
 Mullerstrasse 178  
 D-13353 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 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 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.

	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
201	Rolf BOHLMANN	<i>Rolf Bohlmann</i>	23 Jan '02
202	Nikolaus HEINRICH	<i>Nikolaus Heinrich</i>	23 Jan 02
203	Jorg KROLL	<i>Jorg Kroll</i>	24 Jan 02
204	Gerhard SAUER	<i>Gerhard Sauer</i>	6. März 02
205	Karl-Heinrich FRITZEMEIER	<i>Karl-Heinrich Fritzemeier</i>	24 Jan 02
206	Christa HEGELE-HARTUNG	<i>Christa Hegele-Hartung</i>	29 <sup>th</sup> Jan, 2002
207	Jens HOFFMANN	<i>Jens Hoffmann</i>	Feb 12, 2002
208	Rosemarie LICHTNER	<i>Rosemarie Lichtner</i>	Feb. 27, 2002
209	Ludwig ZORN	<i>Ludwig Zorn</i>	25 Jan 02
210	FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
211	FULL NAME OF ELEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
212	FULL NAME OF TWELFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

**PATENT**

**RECORDED: 03/07/2002**

**REEL: 012921 FRAME: 0399**