

Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

08-06-2003

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



To the Honorable Commissioner
original documents or copy thereof.

102516565

lease record the attached

1. Name of conveying party(ies):

- 1) Helmut BUSCHMANN
- 2) Babette-Yvonne KOEGEL
- 3) Elmar FRIDERICHs
- 4) Dagmar KAULARTZ

Additional name(s) of conveying
party(ies) attached?

☐ yes ☒ no

2. Name and address of receiving party(ies)

Name: Gruenenthal GmbH

Address: Zieglerstrasse 6
52078 Aachen, Germany

Additional name(s) & address(es) attached?

☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 1) July 1, 2003
2) July 15, 2003
3) July 14, 2003
4) July 7, 2003

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: ==

A. Patent Application No.(s)

10/402,147

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom
correspondence concerning document
should be mailed:

Crowell & Moring LLP
Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
☒ Enclosed. Please charge any underpayment in
connection with this Assignment to Deposit Account No. 05-
1323 ☐ Authorized to be charged to Deposit Account

8. Deposit Account No.

(Attach dupl. copy of this page if paying by Deposit
Account)

DO NOT WRITE IN 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.

Name: J. D. Evans Reg. No. 26,269

August 1, 2003
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 3

DO NOT USE THIS SPACE

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

08/05/2003 6TOM11

00000146 10402147

00 FC:0021

40.00

PATENT
REEL: 014338 FRAME: 0689

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

**GRUENENTHAL GmbH
Zieglerstrasse 6
52078 Aachen
GERMANY**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

O-SUBSTITUTED 6-METHYL-TRAMADOL DERIVATIVES

as set forth in his United States Patent Application (check one):

_____ executed concurrently herewith,
_____ executed on _____,
☒ Serial No. 10/402,147, filed March 31, 2003.

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

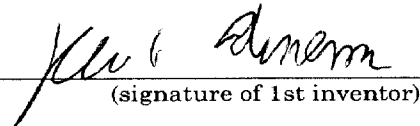
Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

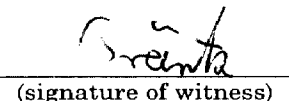
Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING, L.L.P.**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

01-07-2003
(date)

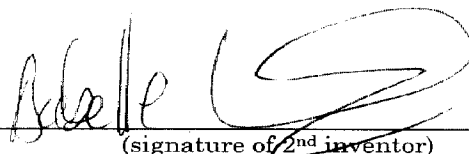

(signature of 1st inventor)

Helmut BUSCHMANN
Austrasse 2
52066 Aachen
Germany


(signature of witness)

15.7.2003

(date)



(signature of 2nd inventor)

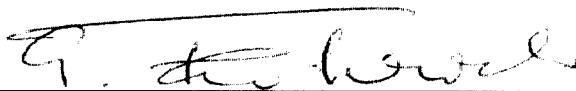
S. Brenner

(signature of witness)

Babette-Yvonne KOEGEL
Am Daens 28
52379 Langerwehe-Hamich
Germany

14.07.2003

(date)



(signature of 3rd inventor)

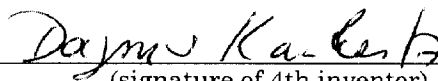


(signature of witness)

Elmar FRIDERICH
Zehntweg 24
52223 Stolberg
Germany

07.07.2003

(date)



(signature of 4th inventor)



(signature of witness)

Dagmar KAULARTZ
Pastor-Keller-Strasse 13
52222 Stolberg
Germany

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.