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100793776

1. Name of conveying party(ies):  
Helmut Schmidhammer, Zhong-Yong Wei, and Peter Schwarz

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Execution Date: May 12, 1996, September 12, 1996 and January 17, 1997

the attached original documents or copy thereof.

Name: Astra AB

Internal Address:

Street Address: S-151 85 Södertälje

City/State/ZIP: Sweden

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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)  
PCT/SE96/01497

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Robert A. Armitage  
Internal Address:  
Street Address: Vinson & Elkins L.L.P.  
The Willard Office Building  
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6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. § 3.41) \$ 40.00  
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Michael A. Sanzo Michael A. Sanzo March 13, 1997  
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FORM6-03.WP5

PATENT  
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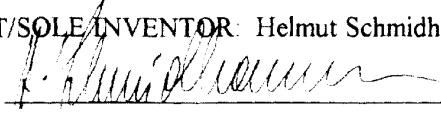
**ASSIGNMENT TO ASTRA AB**

**Title:** NEW PROCESS FOR THE PREPARATION OF  
MORPHINANS  
**Inventors:** Helmut Schmidhammer, Peter Schwarz and Zhong-Yong Wei  
**PCT Appl. No:** PCT/SE96/01497  
**Intn'l Filing Date:** 19 November 1996  
**Execution Date of Application:**

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt thereof is hereby acknowledged, I do hereby assign and transfer unto ASTRA AB, a corporation of Sweden having a place of business at Södertälje, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to ASTRA AB, its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to ASTRA AB, or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers, execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to ASTRA AB; make all rightful oaths; and generally do everything possible to aid ASTRA AB, its successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

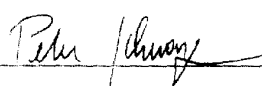
FULL NAME OF FIRST/SOLE INVENTOR: Helmut Schmidhammer

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Date: 12.12.96

FULL NAME OF SECOND/JOINT INVENTOR: Peter Schwarz

Signature of Inventor: 

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Date: 12.12.96

FULL NAME OF THIRD/JOINT INVENTOR: Zhong-Yong Wei

Signature of Inventor: \_\_\_\_\_

Address: 17750 Rue Antoine-Faucon, Pierrefonds, PQ Canada H9J 3N2

Date: \_\_\_\_\_

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Date: \_\_\_\_\_

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