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To the Honorable Assistant Commissioner for Patents, please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Kunitaka HIROSE, Eiji INOBUCHI, Michinori HAKOZAKI,
Keiko ISHIOKA, Yukako ISHIDA, Kouji MATSUSHIMA and
Kouji KUNO

Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?
Name:
KUREHA CHEMICAL INDUSTRY CO., LTD.
Internal Address:
9-11, Nihonbashihoridome-cho 1-chome, Chuo-ku Tokyo 103-8552,
Japan
Street Address:
Same as above

City State Zip

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 30, 1999

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:
November 30, 1999
A. Patent Application No.(s) | B. Patent No.(s).
Additional numbers attached? Yes No **09/445023**

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
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6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
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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.
Waddell A. Biggart
Name Waddell A. Biggart Reg. No. 24,861 Date December 3, 1999
TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: **3**

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

Whereas, I/We, (1) Kunitaka HIROSE of 8-16, Kasuga-cho 4-chome, Nerima-ku, Tokyo 179-0074, Japan, (2) Eiji INOBUCHI of 734-2, Kitanarushima-cho, Tatebayashi-shi, Gunma 374-0057, Japan, (3) Michinori HAKOZAKI of 2-17, Rokutanda-machi, Onahamaohara, Iwaki-shi, Fukushima 971-8111, Japan, (4) Keiko ISHIOKA of 180-8-103, Suzuki-cho 2-chome, Kodaira-shi, Tokyo 187-0011, Japan, (5) Yukako ISHIDA of Keioshibasakikoporasu 508, 6-1, Nishinogawa 4-chome, Komae-shi, Tokyo 201-0001, Japan, (6) Kouji MATSUSHIMA of Matsudodaisanjutaku 2-905, 159-1, Matsudo, Matsudo-shi, Chiba 271-0092, Japan, and (7) Kouji KUNO of Hakusuiso, 1-17, Kasamai 1-chome, Kanazawa-shi, Ishikawa 920-0965, Japan, hereinafter called assignor(s), have invented certain improvements in

HUMAN ADAMTS-1 PROTEIN, GENE ENCODING THE SAME, PHARMACEUTICAL COMPOSITION, AND METHOD FOR IMMUNOLOGICALLY ANALYZING HUMAN ADAMTS-1 PROTEIN

and executed an application for Letters Patent of the United States of America therefor on

November 30, _____ 1999 ; and

Whereas, KUREHA CHEMICAL INDUSTRY CO., LTD. of 9-11, Nihonbashihoridome-cho 1-chome, Chuo-ku Tokyo 103-8552, Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Date: November 30, 1999

s/ *Kunitaka Hirose*
Kunitaka HIROSE

Date: November 30, 1999

s/ *Eiji Inoguchi*
Eiji INOBUCHI

Date: November 30, 1999

s/ *Michinori Hakozaiki*
Michinori HAKOZAKI

Date: November 30, 1999

s/ *Keiko Ishioka*
Keiko ISHIOKA

Date: November 30, 1999

s/ *Yukako Ishida*
Yukako ISHIDA

Date: November 30, 1999

s/ *Kouji Matsushima*
Kouji MATSUSHIMA

Date: November 30, 1999

s/ *Kouji Kuno*
Kouji KUNO