08-08-2002 Form PTO-1595 RECORDATION FORM COVE JENTS ONLY 102182001 Attorney Docket No. 107292-00040 Date: July 31, 2002 **BOX ASSIGNMENT** To the Commissioner of Patents record the attached original documents or copy thereof 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Makoto KANEKO Name: Sumitomo Heavy Industries, Ltd. Hiroshi MORITA Address: 9-11, Kitashinagawa 5-chome Yasuhito NAKAMORI Masanobu SUGIMINE Shinagawa-ku, Tokyo 141-8686, Japan Yoshiyuki TOMITA Additional name(s) & address(es) attached? Additional name(s) of conveying party(ies) attached? ☐ Yes ⊠ No ⊠ No Yes 3. Nature of conveyance: ☐ Merger Security Agreement ☐ Change of Name ☐ Other . Execution Date: July 1, 2002 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: B. Patent No.(s) A. Patent Application No.(s) 10/144,750 Additional numbers attached?

Yes ⊠ No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: Name: Arent Fox Kintner Plotkin & Kahn PLLC 7. Total fee (37 CFR 3.41)........ \$ 40.00 Street Address: 1050 Connecticut Avenue, N.W., Suite 400 Any additional fees are authorized to be charged to Washington, D.C. 20036-5339 deposit account 08/02/2002 GGEBREGI 00000012 10144750 04 FC:581 8. Deposit account number: 01-2300 40.00 DP (Attach duplicate copy of this page if paying by deposit account) DO NOT USE 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

George E. Oram, Jr. Name of Person Signing Reg. No. 27,931

copy of the original document.

July 31, 2002 Date

Total number of pages including cover sheet, attachments, and document: 2

GEO/ars

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)] SUMITOMO HEAVY INDUSTRIES, LTD.
9-11, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8686, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of Invention]

X-Y STAGE APPARATUS

[*If the assignment is being filed after the filing of the application, this section must be completed] for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

*filed on May 15, 2002 , Serial No. 10/144,750

(Arent Fox Kintner Plotkin & Kahn is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

July 1, 2002 Makoto KANEKO (DATE) (TYPE NAME) July 1, 2002 Hiroshi MORITA (DATE) (TYPE NAME) asuhito Nakamori Yasuhito NAKAMORI July 1, 2002 (TYPE NAME) (DATE) (SIGNATURE) July 1, 2002 Masanobu SUGIMINE (TYPE NAME) (DATE) July 1, 2002 Yoshiyuki TOMITA (TYPE NAME) (DATE)

NO LEGALIZATION REQUIRED

RECORDED: 07/31/2002

PATENT REEL: 013154 FRAME: 0275