07 - 16 - 2002 R IEET FORM PTO-1595 (modified) U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 102157137 To the Honorable Assistant Secretary and Co Alease record the attached original document(s) or copy(ies) thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Yuji AOYAGI Name: (1) FUKUI PREFECTURE, (2) NATIONAL JUL 1 1 2002 **SPACE DEVELOPMENT AGENCY OF JAPAN & (3)** Additional name(s) of conveying party(ies) attached? JAPAN SPACE FORUM Street Address: (1) 17-1, Ote 3-chome, Fukui-shi, 3. Nature of conveyance: Fukui, Japan, (2) 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo, Japan & (3) 29-6, Hamamatsu-cho X Assignment Merger 1-chome, Minato-ku, Tokyo, Japan __ Security Agreement Change of Name Other __ Execution Date: April 23, 2002 Additional name(s) & address(es) attached? 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) B. Patent No.(s) 10/100,056, filed March 19, 2002 Additional numbers attached? NO 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed:

Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Nils E. Pedersen, Esq.

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> PATENT REEL: 013074 FRAME: 0440

Yuji AOYAGI

61853 45

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned Masao FURUKAWA, Insert Name(s) of Inventor(s) Koji MIYAZAKI and Yuji AOYAGI the undersigned hereby sell(s) and assign(s) to Insert Name(s) FUKUI PREFECTURE, of Assignee(s) NATIONAL SPACE DEVELOPMENT AGENCY OF JAPAN and JAPAN SPACE FORUM Address of <u>17-1,</u> Ote 3-chome, Fukui-shi, Fukui, Japan, 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo, Japan and 29-6, Hamamatsu-cho l-chome, Minato-ku, Tokyo, Japan, respectively (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as Support apparatus for movable member and pump apparatus Title of Invention

Date of Signing Application

April 23, 2002

The undersigned agree(s) to execute all papers necessary in connection with this application and any

for which an application for patent in the United States has been executed by the undersigned on

continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 013074 FRAME: 0441

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The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date ______, Name of Inventor (Masao FURUKAWA) Date _____, Name of Inventor (Koji MIYAZAKI) Date April 23, 2002, Name of Inventor (Yuji AOYAGI) Yeyi Goyagi Date ______, Name of Inventor _____ Date _____, Name of Inventor Date _____, Name of Inventor _____ (This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.) ACKNOWLEDGMENT This _____ day of _____, 19____, before me personally came the above-named to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth. Official Signature **SEAL** Official Title The above application may be more particularly identified as follows: U.S. Application Serial No. ______ Filing Date March 19, 2002 Applicant Reference No. 61853US Atty. Docket No. 2002-0357A/NEP/00113 Title of Invention Support apparatus for movable member and pump apparatus

RECORDED: 07/11/2002

PATENT ___REEL: 013074 FRAME: 0442