	A 105811	, 10/566			
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	3. Nature of conveyance/Execution Date(s):	24-4, Nishigotanda 1-chome			
	Execution Date(s): December 15, 2005	Shinagawa-ku, Tokyo 141-0031			
	Assignment Merger Change of Name	JAPAN			
	Security Agreement Joint Research Agreement				
	Government Interest Assignment				
	Executive Order 9424, Confirmatory License				
	Other	Additional name(s) & address(es) Yes X No			
	4. Application or patent number(s):	This document is being filed together with a new application.			
	A. Patent Application No.(s) National Phase of PCT/JP2004/010031 designating the United States	B. Patent No.(s)			
	National Phase of PCT/JP2004/010031 designating the United States Additional numbers attached?	? Yes XNo			
	National Phase of PCT/JP2004/010031 designating the United States Additional numbers attached? 5. Name and address to whom correspondence	? Yes XNo 6. Total number of applications and 1			
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/02/2006 GFREY1 FC:8021	National Phase of PCT/JP2004/010031 designating the United States Additional numbers attached? 5. Name and address to whom correspondence concerning document should be mailed: Name: S. Peter Ludwig DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 04703/0203889-US0 Street Address: P.O. Box 5257 00000041 10566113 (40.00 0P) City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7770 Fax Number: (212) 527-7701	Yes X No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number			
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ASSIGNMENT BY INVENTORS (US ONLY)

THIS ASSIGNMENT, made by Akifumi YAMADA (hereinafter referred to as Assignor(s)), residing at 1-42-3, Yayoi-cho, Nakano-ku, Tokyo 164-0013 JAPAN;

WHEREAS, Assignor(s) have invented certain new and useful improvements in DOUBLE DIRECTION OPENING MECHANISM FOR DOOR, set forth in a Patent application for which an Application was filed on July 14, 2004, under PCT Application No. PCT/JP2004/010031 as an international application designating the U.S.

WHEREAS, TAKIGEN MFG. CO., LTD., an organized corporation under and pursuant to the laws of Japan having its principal place of business at 24-4, Nishigotanda 1-chome, Shinagawa-ku, Tokyo 141-0031 JAPAN (hereinafter referred to as Assignee(s)) is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee(s), its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, the same to be held and enjoyed by Assignee(s), for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

> PATENT REEL: 017534 FRAME: 0542

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee(s), its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee(s), its successors, legal representatives and assigns, whenever counsel of Assignee(s), or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request the Director of Patents and Trademarks to issue said Letters Patent of the United States to Assignee(s), as Assignee(s) of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee(s), its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals 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 and Trademark Office for recordation of this document:

DARBY & DARBY P.C.

Paul F. Fehlner	35,135	Joseph B. Lerch	26,936	Peter C. Schechter	31,662
Paul Fields	20,298	Bert J. Lewen	19,407	Henry Sternberg	22,408
Melvin C. Garner	26,272	Scott G. Lindvall	40,325	Robert C. Sullivan	30,499
Adda C. Gogoris	29 ,714	S. Peter Ludwig	25,351	Michael J. Sweedler	19,937
Marc S. Gross	19,614	Joseph R. Robinson	33,448	Pierre R. Yanney	35,418
David Leason	36,195	Robert Schaffer	31,194		

AND Assignor(s) acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

December 15, 2005 Date:

Akifumi YAMAĐA Name: Akifumi YAMADA

RECORDED: 01/24/2006