



12-22-2004



12/17/04

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies)/Execution Date(s):</p> <p>(1) Yoshimasa CHIBA (2) Choichi ISHIKAWA (3) Hiroyuki KATSURA (4) Daimon ABE</p> <p>Execution Date(s) (1-2) July 27, 2004 (3) July 28, 2004 (4) July 29, 2004</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Hitachi Industries Co., Ltd.</p> <p>Street Address: 13-17, Nakagawa 4-chome Adachi-ku, Tokyo, Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	
<p>4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) 10/912,554</p> <p>B. Patent Registration No.(s)</p> <p>Additional number(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Crowell & Moring LLP</p> <p>Street Address: PO Box 14300 Washington, DC</p> <p>Phone Number: <u>202-624-2500</u> Fax Number: <u>202-628-8844</u> Email Address: _____</p>	<p>6. Total number of applications and patents involved <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00</p> <p><input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>05-1323</u> Authorized User Name _____</p>
<p>9. Signature: <u>Song Zhu</u> Signature <u>12/17/2004</u> Date</p> <p><u>Song Zhu, Ph.D., 44,420</u> Name of Person Signing</p> <p>Total number of pages including cover sheet, attachments, and documents: <u>2</u></p>	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT
(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI INDUSTRIES CO., LTD., a corporation organized under the laws of Japan, located at 13-17, Nakagawa 4-chome, Adachi-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI INDUSTRIES CO., LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI INDUSTRIES CO., LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI INDUSTRIES CO., LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yoshimasa Chiba</u>	<u>7/27/04</u>
2) <u>Choichi Ishikawa</u>	<u>7/27/04</u>
3) <u>Hiroyuki KATSURA</u>	<u>7/28/04</u>
4) <u>Daimon Abe</u>	<u>7/29/04</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____