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 Hiroshi ARAk 				January 15, 2003	
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Receiving Party	onar ivaries or conve	sying i artics / titachet	<u> </u>		
Name Name Address Address Address	Mitsubishi Denki Kai 2-3, Marunouchi 2-c Chiyoda-ku <u>Tokyo</u> City			<u>100-8310</u> Zip Code	
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Jeffrey A. Wyand Leydig, Voit & Ma 700 Thirteenth St Washington, D.C.	yer ., N.W. Suite 300	10380858		Facsimi	le: (202) 737-6770 le: (202) 737-6776 No. 402529/SOGA
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Enter PCT application number only if a U.S. Application PCT/JP01/09107 Number has not been assigned. PCT PCT PCT **Number of Properties** Enter the total number of properties involved: 1 **Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): 40.00 Method of Payment: ☐ Enclosed is a check in the amount of \$ ☐ Charge Deposit Account No. 12-1216 Authorization to Charge Additional Fees to Deposit Account No. 12-1216: X Yes ... No. 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. Charges to deposit account are authorized, as indicated herein.

Assignment Tml P1

Jeffrey A. Wyand

Name of Person Signing

ASSIGNMENT

ASSIGIVIDIVI
In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Hiroshi ARAKI
hereby sells, assigns and transfers to
MITSUBISHI DENKI KABUSHIKI KAISHA of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN
(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:
(i) the application for United States Letters Patent entitled
which was executed by the undersigned on
or was filed on October 17, 2001 and accorded Serial No.
PCT/JP 01/09107 (hereinafter called the Application);
(ii) any and all inventions and improvements which are described in the Application;
(iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
(iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions
of the Application or Patent; and
(v) all benefits under the International Convention for the Protection of Industrial Property.
Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number
of said application. The Commissioner of Patents and Trademarks is authorized to issue any and all of said
Letters Patent, when granted, to said Assignee.
Further, it is agreed that, when requested, without charge to but at the expense of said
Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent
applications, execute all additional assignments and other writings, including reexamination
papers; and provide all reasonable assistance requested by the Assignee to secure and maintain
appropriate patent protection.
INIVENITOD(C).
(Hiroshi ARAKI) Howard Jan 15, 2003
(Hiroshi ARAKI) () North (Maller) Jan (), 2007

PATENT REEL: 014286 FRAME: 0215

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Name Address Address Address Mark if Addition	Mitsubishi Denki Kab 2-3, Marunouchi 2-ch Chiyoda-ku <u>Tokyo</u> City onal Names of Receiv	home <u>Japan</u> State/Cou		<u>100-8310</u> Zip Code				
Correspondent N	lame and Address							
Jeffrey A. Wyand Leydig, Voit & Mayer 700 Thirteenth St., N.W. Suite 300 Washington, D.C. 20005-3960 Pages Enter the total number of pages of the attached			Telephone: (202) 737-6770 Facsimile: (202) 737-6776 Attorney Docket No. 402529/SOGA conveyance document including any attachments: 1					
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Jeffrey A. Wyand	roop Signing	14900		<u> </u>	2003			
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