

**PATENT ASSIGNMENT**

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<b>NATURE OF CONVEYANCE:</b>	Assignor assigns 50% of interest
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hitachi, Ltd.	04/22/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	National Institute of Information and Communications Technology
<b>Street Address:</b>	4-2-1, Nukui-Kitamachi
<b>City:</b>	Koganei, Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	184-8795
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7188136
Patent Number:	6850624
<b>CORRESPONDENCE DATA</b>	
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<b>Total Attachments: 2</b> source=assignment#page1.tif source=assignment#page2.tif	

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## ASSIGNMENT

WHEREAS, **Hitachi, Ltd.**, a corporation organized under the laws of Japan, having its principal office at **6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo JAPAN** (hereinafter referred to as ASSIGNOR), is an owner, by assignment, of the following United States Letters Patent(s):

**U.S. Patent No. 7,188,136, issued 3/06/07 (Reel/Frame: 010978/0134)**

**U.S. Patent No. 6,850,624, issued 2/01/05 (Reel/Frame: 013500/0174)**

WHEREAS, **National Institute of Information and Communications Technology** (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of Japan, having its place of business at **4-2-1, Nukui-Kitamachi, Koganei, Tokyo 184-8795 JAPAN**, is desirous of acquiring fifty percent (50%) of ASSIGNOR'S right, title and interest, in, to and under each said Letters Patent(s) and the inventions covered thereby, including any and all divisions and continuations thereof, and any and all Letters Patents which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof, such that both ASSIGNOR and ASSIGNEE will each own fifty percent (50%) of each patent as joint owners.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, said ASSIGNOR has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said ASSIGNEE, a 50% right, title and interest, in, to and under each said Letters Patent(s) and the inventions covered thereby, including any and all divisions and continuations thereof, and any and all Letters Patents which may be granted thereon, including any and all renewals, reissues,


reexaminations and extensions thereof, including any and all priority and or convention rights accruing or to accrue with respect to the filing or securing of patents in the United States, including the right to sue for past infringement, the same to be held and enjoyed by said ASSIGNEE for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for which said Letters Patents of the United States are granted including any and all renewals, reissues, reexaminations and extensions thereof, as fully and entirely, as the same would have been held and enjoyed by the said ASSIGNOR, if this assignment and sale had not been made.

WHEREBY, ASSIGNOR hereby grants the law firm of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., 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.

HITACHI, LTD.

4/22/2008

Date



By: Hiroyuki HIRAYAMA  
Corporate Officer  
Managing Director,  
Intellectual Property Group  
(Authorized Signing Officer)