

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Shinichi HAYASHI	07/29/2009
Yuichi TAGUCHI	07/29/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI, LTD.
<b>Street Address:</b>	6-6, Marunouchi 1-chome, Chiyoda-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12527450
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)684-1157
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	703-684-1120
<b>Email:</b>	jgreer@mmiplaw.com
<b>Correspondent Name:</b>	John Mattingly, Mattingly & Malur, P.C.
<b>Address Line 1:</b>	1800 Diagonal Rd.
<b>Address Line 2:</b>	Suite 370
<b>Address Line 4:</b>	Alexandria, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	H&A-7232
<b>NAME OF SUBMITTER:</b>	John R. Mattingly
<b>Total Attachments: 1</b> source=HA-7232_assignment#page1.tif	

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**PATENT**  
**REEL: 023104 FRAME: 0841**

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REEL: 023104 FRAME: 0842