PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Toshihiko NAKATA	07/02/2010
Masahiro WATANABE	07/05/2010
Takashi INOUE	07/05/2010
Kishio HIDAKA	07/12/2010
Makoto OKAI	07/20/2010
Toshiaki MORITA	07/12/2010
Motoyuki HIROOKA	07/23/2010

RECEIVING PARTY DATA

Name:	Hitachi, Ltd.	
Street Address:	6-6, Marunouchi 1-chome	
City:	Chiyoda-ku, Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12864196

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PATENT

NAME OF SUBMITTER:	Stephen W. Palan	
Total Attachments: 1 source=62713US_EXECUTED_ASSIGNMENT#page1.tif		

PATENT REEL: 024967 FRAME: 0730

ASSIGNMENT

As a below named inventor, I hereby declare that:

therefor, executed on even date herewith,

RECORDED: 09/10/2010

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, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

*PCT International Application Number PCT/JP2008/073074 filed on December 18, 2008 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

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, 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, Ltd.

Signed on the date(s) indicated aside signatures:

	INVENTOR (S)	Date Signed
	(発明者フルネームサイン)	(署名日)
1)	Toshipiho Ruhata	July 2, 2010
2)	Masadiro Watanabe	July 5, 20/0
3)	Masahiro WATANABE Takashi INOUE	July 5, 2010
4)	Kishio Hidahe Kishio HIDAKA	
5)	Makoto Douis Makoto OKAI	Tuly 20, 20/0.
6)	Toshiaki Morita Toshiaki MORITA	July 12, 2010
7)	Motoyuki Hrooka Motoyuki HIROOKA	July 23. 2010
8)		
9)		DATENT

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