

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masahiko Mizutani</td> <td>03/02/2009</td> </tr> <tr> <td>Yusuke Yajima</td> <td>03/02/2009</td> </tr> <tr> <td>Yoshihiro Ashi</td> <td>03/02/2009</td> </tr> </tbody> </table>		Name	Execution Date	Masahiko Mizutani	03/02/2009	Yusuke Yajima	03/02/2009	Yoshihiro Ashi	03/02/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Hitachi Communication Technologies, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>26-3, Minami Ooi 6-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Shinagawa-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi Communication Technologies, Ltd.	Street Address:	26-3, Minami Ooi 6-chome	Internal Address:	Shinagawa-ku	City:	Tokyo	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1											
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<b>CORRESPONDENCE DATA</b>											
Fax Number: (703)312-6666 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 703-312-6600 Email: rperez@antonelli.com Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Address Line 1: 1300 NORTH SEVENTEENTH STREET Address Line 2: SUITE 1800 Address Line 4: ARLINGTON, VIRGINIA 22209-3873											
ATTORNEY DOCKET NUMBER:	500.49770X00										
NAME OF SUBMITTER:	Melvin Kraus										
Total Attachments: 1 source=Assignment#page 1.tif											

OP \$40.00 12379634

**500874593**

**PATENT**  
**REEL: 022766 FRAME: 0467**

# ASSIGNMENT

( 譲渡証 )

W5047-01

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 Communication Technologies, Ltd.

a corporation organized under the laws of Japan,

located at 26-3, Minami Ooi 6-chome, Shinagawa-ku, Tokyo, Japan,

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Communication Technologies, Ltd. its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## PASSIVE OPTICAL NETWORK SYSTEM AND FAULT DETERMINATION METHOD

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 Communication Technologies, 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 Communication Technologies, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)  
(発明者フルネームサイン)

Date Signed  
(署名日)

1)

Masahiko MIZUTANI

*Masahiko Mizutani*

Mar. 2, 2009

2)

Yusuke YAJIMA

*Yusuke Yajima*

Mar. 2, 2009

3)

Yoshihiro ASHI

*Yoshihiro Ashi*

Mar. 2, 2009

4)

5)

6)

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10)

PATENT

RECORDED: 06/02/2009

REEL: 022766 FRAME: 0468