

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kumiko YAMAGUCHI	03/24/2008
Masaharu NAKATSUCHI	03/24/2008
Kenji MAMEDA	03/24/2008
Hitoshi NAOE	03/24/2008
Masaki NISHIDA	03/28/2008
Tsukasa KAMINOKADO	03/24/2008

RECEIVING PARTY DATA

Name:	NTT DoCoMo, Inc.
Street Address:	11-1, Nagatacho 2-chome, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-6150

Name:	SHARP KABUSHIKI KAISHA
Street Address:	22-22, Nagaike-cho, Abeno-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	545-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12064341

CORRESPONDENCE DATA

Fax Number: (703)413-2220
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: (703) 413-3000
 Email: kcapers@oblon.com

PATENT

500617361

REEL: 021366 FRAME: 0960

OP \$40.00 12064341

Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street
Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	321857US8PCT
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NAME OF SUBMITTER:	Keena Capers
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Total Attachments: 4 source=321857USASSIGNMENT#page1.tif source=321857USASSIGNMENT#page2.tif source=321857USASSIGNMENT#page3.tif source=321857USASSIGNMENT#page4.tif
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ASSIGNMENT

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Kumiko YAMAGUCHI	c/o Intellectual Property Department, NTT DoCoMo, Inc., Sanno Park Tower, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan
2) Masaharu NAKATSUCHI	c/o Intellectual Property Department, NTT DoCoMo, Inc., Sanno Park Tower, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan
3) Kenji MAMEDA	c/o SHARP KABUSHIKI KAISHA, 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
4) Hitoshi NAOE	c/o SHARP KABUSHIKI KAISHA, 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
5) Masaki NISHIDA	c/o SHARP KABUSHIKI KAISHA, 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
6) Tsukasa KAMINOKADO	c/o SHARP KABUSHIKI KAISHA, 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

hereinafter called assignor(s), have invented certain improvements in
INFRARED COMMUNICATION APPARATUS AND INFRARED COMMUNICATION METHOD

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on February 21, 2008, Serial No. 12/064341; and

Whereas

NTT DoCoMo, Inc.
11-1, Nagatacho 2-chome,
Chiyoda-ku, Tokyo 100-6150 Japan

and, **SHARP KABUSHIKI KAISHA**
22-22, Nagaïke-cho,
Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1): Kumiko Yamaguchi
Name: Kumiko YAMAGUCHI

Mar 24, 2008

2): Masaharu Nakatsuchi
Name: Masaharu NAKATSUCHI

Mar 24, 2008

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

3):
Name: Kenji MAMEDA

4):
Name: Hitoshi NAOE

5):
Name: Masaki NISHIDA

6):
Name: Tsukasa KAMINOKADO

ASSIGNMENT

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Kumiko YAMAGUCHI	c/o Intellectual Property Department, NTT DoCoMo, Inc., Sanno Park Tower, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan
2) Masaharu NAKATSUCHI	c/o Intellectual Property Department, NTT DoCoMo, Inc., Sanno Park Tower, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan
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5) Masaki NISHIDA	c/o SHARP KABUSHIKI KAISHA, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
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INVENTORSDATE SIGNED

1):	_____	_____
Name:	Kumiko YAMAGUCHI	
2):	_____	_____
Name:	Masaharu NAKATSUCHI	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

3):	<u>Kenji Mameda.</u>	<u>March 24, 2008</u>
Name:	Kenji MAMEDA	
4):	<u>Hitoshi Naoe</u>	<u>March 24, 2008</u>
Name:	Hitoshi NAOE	
5):	<u>Masaki Nishida</u>	<u>March 28, 2008</u>
Name:	Masaki NISHIDA	
6):	<u>Tsukasa Kaminokado</u>	<u>March 24, 2008</u>
Name:	Tsukasa KAMINOKADO	

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