

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ryoichi Kasahara</td> <td>01/30/2013</td> </tr> <tr> <td>Ikuo Ogawa</td> <td>01/30/2013</td> </tr> <tr> <td>Toshiki Nishizawa</td> <td>02/25/2013</td> </tr> <tr> <td>Yuji Mitsuhashi</td> <td>02/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ryoichi Kasahara	01/30/2013	Ikuo Ogawa	01/30/2013	Toshiki Nishizawa	02/25/2013	Yuji Mitsuhashi	02/25/2013
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Ryoichi Kasahara	01/30/2013										
Ikuo Ogawa	01/30/2013										
Toshiki Nishizawa	02/25/2013										
Yuji Mitsuhashi	02/25/2013										
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Property Type	Number										
Application Number:	13820884										
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OP \$40.00 13820884

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Salt Lake City, Utah 84111

PATENT APPLICATION

Docket No:

14321.163

Form P4

ASSIGNMENT

We the under signed, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled OPTICAL MODULE. Preferred embodiments of said invention are disclosed in a United States patent application which:

- is executed concurrently herewith for filing in the United States Patent and Trademark Office.
- was previously filed in the United States Patent and Trademark Office on _____, Application Serial No. _____.
- is a United States National Application of PCT International Application No. PCT/JP2011/004999, filed September 6, 2011.

The Assignees, (1) NIPPON TELEGRAPH AND TELEPHONE CORPORATION, having a principal place of business at 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 1008116 Japan, and (2) NTT ELECTRONICS CORPORATION, having a principal place of business at 1-32, Shin-urashimacho 1-chome, Kanagawa-ku, Yokohama-shi, Kanagawa 2210031 Japan desire to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above identified United States patent application and in all divisions, continuations and continuations in part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States and foreign countries.

The right to claim the benefits of any prior related United States or foreign patent applications.

Full name of third inventor, if any

Toshiki

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

NISHIZAWA

FAMILY (OR LAST NAME)

Inventor's signature

Toshiki Nishizawa

Date February 25, 2013

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Kanagawa-ku, Yokohama-shi, Kanagawa 2210031 Japan

Full name of fourth inventor, if any

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(GIVEN NAME)

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MITSUHASHI

FAMILY (OR LAST NAME)

Inventor's signature

Yuji Mitsuhashi

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