



09-16-2002



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To the Assistant Commissioner of Patents

copy thereof.

<p>1. Name of conveying party(ies)</p> <p>Hitomaro TOHGOH Hiroaki ASANO</p> <p>9.9.02</p> <p>Addit'l name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, Oaza Kadoma Kadoma-shi Osaka 571-000 JAPAN</p> <p>Addit'l. name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of name <input type="checkbox"/> Other</p> <p>Execution Date: August 1, 2002</p>	

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:


A. Patent Application No. 10/176,106	B. Patent No.(s)
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Louis Woo, Esq. Law Offices of Louis Woo 1901 N. Fort Myer Drive Suite 501 Arlington State: VA Zip: 22209</p> <p>CUSTOMER NO. 021395</p>	<p>6. Total number of applications and patents involved [1]</p>
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 Date: Sept 9, 2002

Louis Woo Total number of pages comprising cover sheet: **[3]**
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Docket No.: _____

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|----------------------------|-----------|
| (1) <u>Hitomaro TOHGOH</u> | (4) _____ |
| (2) <u>Hiroaki ASANO</u> | (5) _____ |
| (3) _____ | (6) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. of 1006, Oaza Kadoma-shi,
Osaka 571-0000 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

OPTICAL TRANSMITTING/RECEIVING MODULE AND METHOD FOR MANUFACTURING THE SAME

(a) for which an application for United States Letters Patent was filed on June 21, 2002, and identified by United States Serial No. 10/176,106; or

(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- | | |
|---|-----------------------|
| 1) <u>Hitomaro Tohgo</u>
Name: Hitomaro TOHGOH | <u>August 1, 2002</u> |
| 2) <u>Hiroaki Asano</u>
Name: Hiroaki ASANO | <u>August 1, 2002</u> |
| 3) _____
Name: _____ | _____ |
| 4) _____
Name: _____ | _____ |
| 5) _____
Name: _____ | _____ |
| 6) _____
Name: _____ | _____ |