Atty Docket No.:

214398US2SRD

FORM PTO-1595 1-31-92

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Marvin J. Spivak

Name of Person Signing

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**PATENT** REEL: 012201 FRAME: 0703

## ASSIGNMENT

In consideration of value received. I. having a mailing address at exposintellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minatorku, Tokyo 105 8001, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

## OPTICAL INTERCONNECTION CIRCUIT BOARD AND MANUFACTURING METHOD THEREOF

said application having been filed on and assigned Application No. ;
sell and assign—to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
1 1 Shibaura 1 chome. Minato Ku. Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

- $\underline{\hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm}$
- executed separately herefrom:

and in and to all applications for patent and patents for said invention in all countries of the world, including all divisions, reissues, contin uations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications: and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration. but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue or other applications, make all rightfus oaths and declarations, and generally do everything possible to aid said Assignce to obtain and enforce proper patent protection for said invension in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Obion, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

> PATENT REEL: 012201 FRAME: 0704

## ASSIGNMENT

Inventor:	(Signature)	Date	Residence
701:	1. to Tura	SEP 19. 2001	
Hideto Fur	u v ama		Yokohama-shi, Japan
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