

ASSIGNMENT

Hirofumi SHIMOMURA, Seigo TAKAHASHI and

WHEREAS, Naoya HENMI of Tokyo, Japan

hereafter referred to as applicants, have invented certain new and useful improvements in OPTICAL SWITCH, OPTICAL AMPLIFIER AND OPTICAL POWER CONTROLLER AS WELL AS OPTICAL ADD-DROP MULTIPLEXER

(a) for which an application for a United States Patent was filed on _____, Application No. _____,

(b) for which an application for a United States Patent was executed on October 27, 1998, and

WHEREAS, NEC CORPORATION, of 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, hereinafter referred to as "assignee" is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is acknowledged, and other good and valuable consideration, we, the applicants, by these presents do__ sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States.

We hereby authorize and request the Commissioner of Patents & Trademarks to issue said United States Patent to said assignee, of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Date: October 27, 1998

Hirofumi Shimomura
Hirofumi SHIMOMURA

Date: October 27, 1998

Seigo Takahashi
Seigo TAKAHASHI

Date: October 27, 1998

Naoya Henmi
Naoya HENMI

Witness:

Masayuki Takahashi Atsuhiko Iwata