

ASSIGNMENT

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

- | | |
|---------------------------|------------------------|
| (1) <u>Jong Hoi KIM</u> | (5) <u>Kang Ho KIM</u> |
| (2) <u>Kwang Ryong OH</u> | (6) _____ |
| (3) <u>Yong Soon BAEK</u> | (7) _____ |
| (4) <u>Hyun Soo KIM</u> | (8) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, a institute organized under the laws of the Republic of Korea, located at 161, Kajong-Dong, Yusong-Gu, Daejon-Shi, Korea.

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

FILTER-FREE WAVELENGTH CONVERTER

- (a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____ ;
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 Patent and Trademarks to issue any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations 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 of the dates indicated aside our signatures:

<u>INVENTORS</u>	<u>DATE SIGNED</u>
1) <u>Jong Hoi KIM</u> Name: <u>Jong Hoi KIM</u>	<u>December 17, 2002</u>
2) <u>Kwang Ryong OH</u> Name: <u>Kwang Ryong OH</u>	<u>December 17, 2002</u>
3) <u>Yong Soon BAEK</u> Name: <u>Yong Soon BAEK</u>	<u>December 17, 2002</u>
4) <u>Hyun Soo KIM</u> Name: <u>Hyun Soo KIM</u>	<u>December 17, 2002</u>
5) <u>Kang Ho KIM</u> Name: <u>Kang Ho KIM</u>	<u>December 17, 2002</u>