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P 8

Commissioner of Patents & Trade

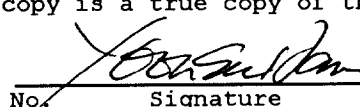
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FORM PTO-1619A
(Rev. 6-99)

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DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Submission Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation) Document ID # _____ <input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____ <input type="checkbox"/> Corrective Document Reel # _____ Frame # _____		2. Name of Conveying Party(ies): LEE, JONG-HYUN LEE, MYUNG-LAE Additional Name(s) of conveying <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Name and Address of Receiving Party(ies): Name: <u>ELECTRONICS and TELECOMMUNICATIONS RESEARCH INSTITUTE</u> Street Address: <u>161 Kajong-dong, Yusong-gu,</u> City: <u>Taejon</u> State/Country: <u>Korea</u> Additional name(s) & address(es) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution Date: <u>12201999</u>	
5. Application number(s) or patent number(s): If this document is being filed together with a new application, <input type="checkbox"/> the first execution date of the application is : _____ <input checked="" type="checkbox"/> the filing date of the application is: <u>12301999</u>			
A. Patent Application No. (s) <u>09475051</u>		B. Patent No. (s)	
6. Name and address of party to whom concerning this matter should be mailed: <u>CUSTOMER NUMBER 00136</u> or <u>JACOBSON, PRICE, HOLMAN & STERN, PLLC</u> <u>400 Seventh Street, N.W.</u> <u>Washington, DC 20004</u> <u>Tel. 202-638-6666</u> Attorney Docket <u>P64197US0</u>		7. Number of applications 1 8. Total fee (37 CFR \$ 40.00 3.41) <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to deposit account <u>06-1358</u> .	
04/21/2000 NGUYEN 00000044 09475051 01 FC:581 <div style="text-align: center;">DO NOT USE THIS SPACE</div>			
10. Statement and Signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <u>Yoon S. Ham/45,307</u>  <u>March 7, 2000</u> Name of Person Signing/Reg. No. Signature Total number of pages including cover sheet: -2-			

 PATENT
 REEL: 010706 FRAME: 0664

UNITED STATES OF AMERICA-ASSIGNMENT

(1-6) Insert Name(s) of Inventors



(1) LEE, JONG-HYUN
 (2) LEE, MYUNG-LAE
 (3) _____
 (4) _____
 (5) _____
 (6) _____

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to

(7) Insert Name of assignee

(7) ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

(8) Insert Address of Assignee

(8) of 161 Kajong-dong, Yusong-gu, Taejon, Korea

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)

(9) a Corporation of Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(10) insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(10) OPTICAL SWITCH INCORPORATING THEREIN SHALLOW ARCH LEAF SPRINGS

for which the undersigned has (have) executed an application for patent in the United States of America

(11) Insert Date of Signing of Application, or filing date and Serial No., if known

(11) Said application having been executed/filed on December 30, 1999 (and assigned Serial No 09/475,051)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such application as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, 400 Seventh Street, N.W., Washington, D.C. 20004, 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 United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>20/12/1999</u>	Name of Inventor <u>LEE, JONG-HYUN</u>	<u>Jong Hyun Lee</u> (SEAL)
	typed name	
Date <u>20/12/1999</u>	Name of Inventor <u>LEE, MYUNG-LAE</u>	<u>Myung Lae Lee</u> (SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ A additional inventor's names and signatures on a separate sheet.

Witness CHO, JAE-HONG Cho Jae Hong

Witness PARK, KEUM-JUN Park Keum Jun

LAW OFFICES OF
JACOBSON, PRICE, HOLMAN & STERN
 THE JENIFER BUILDING
 400 SEVENTH STREET, N.W.

RECORDED: 03/07/2000

PATENT
 REEL: 010706 FRAME: 0665