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FORM PTO-1595



101452758

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:
JUNG-HEE KIM, KWAN-SOO HAN, WOO-HYUK JANG,
DONG-HACK SUH, TAE-HYUNG RHEE
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
SAMSUNG ELECTRONICS CO., LTD.,
a corporation organized under the laws of the Republic of Korea
416 Maetan-dong, Paldal-gu, Suwon-city,
Kyungki-do, Republic of KOREA

3. Nature of conveyance
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Additional name(s) & addresses attached? ☐ Yes ☒ NoExecution Date: 20 July 2000

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application, the execution of the application is:

A. Patent Application No.(s)
09/551,869

B. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert E. Bushnell
Attorney at Law
Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005
(202) 408-9040

6. Total Number of applications and patents involved: ONE

7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Robert E. BUSHNELL

Name of Person Signing

Robert E. Bushnell
SignatureAugust 8, 2000

Date

Total number of pages comprising cover sheet: _____

OMB No. 0651-0011 (exp. 4/94)

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PATENT
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ASSIGNMENT

DOCKET No. P56041

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from
the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: **SAMSUNG ELECTRONICS CO., LTD.,**
a corporation organized under the laws of the Republic of Korea,
ADDRESS: 416 Maetan-dong
Paldal-gu, Suwon-city, Kyungki-do
Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and
all other countries, including all rights of priority, in and to the invention entitled:

TITLE: **OPTICAL WAVEGUIDE**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent
the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:



executed on even date herewith, or



Serial No. 09/551,869 filed in the U.S. Patent & Trademark Office on 18 April 2000



executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations,
continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to
be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end
of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held
and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments
which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the
preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any
amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with
the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and
Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby
appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete
such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation
of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

<u>INVENTOR(s)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1) <u>Jung-hee Kim</u> (Seal) JUNG-HEE KIM	20 July 2000	<u>K.H. Lee</u>
2) <u>Kwan-soo Han</u> (Seal) KWAN-SOO HAN	20 July 2000	<u>K.H. Lee</u>
3) <u>Woo-hyuk Jang</u> (Seal) WOO-HYUK JANG	20 July 2000	<u>K.H. Lee</u>
4) <u>Dong-hack Suh</u> (Seal) DONG-HACK SUH	20 July 2000	<u>K.H. Lee</u>
5) <u>Tae-hyung Rhee</u> (Seal) TAE-HYUNG RHEE	20 July 2000	<u>K.H. Lee</u>



Additional inventors are being named on separately numbered sheets attached hereto.