FORM PTO-1595 (Rev. 6/93)

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RE 102298311 **PATENTS ONLY**

Attorney Docket No. 5000-1-289

Patent and Trademark Office

U.S. DEPARTMENT OF COMMERCE

To the Assistant Commissioner for Patents 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Heu-Gon KIM; Sung-Hyun LEE SAMSUNG ELECTRONICS CO.; LTD Address: 416, MAETAN-DONG, PALDAL-GU SUWON-CITY, KYUNGKI-DO 3. Nature of conveyance: KOREA, REPUBLIC OF KOREA [X] Assignment [] Merger [] Security Agreement [] Change of Name Additional name(s) & address(es) attached? [] Yes [X] No Execution Date: November 19, 2002. 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: November 19, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [] No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Name: Steve Cha [X] Enclosed Address: CHA & REITER 411 Hackensack Avenue, 9th Floor [X] Authorized to be charged to deposit account, if necessary -Hackensack, New Jersey 07601 for overages or underpayments only 8. Deposit account number: 502-470 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Steve Cha, Reg No.44,069 Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3

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Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

> (BDSM 8) (9/94)

PATENT REEL: 013524 FRAME: 0379

Docket No.: 5000-1-289

Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Heu-Gon KIM of 394-6, Chungnim-dong, Chung-gu, Seoul, Republic of Korea
- Sung-Hyun LEE of
 Sunae-dong, Pundang-gu, Songnam-shi, Kyonggi-do, Republic of Korea

(hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

SAMSUNG ELECTRONIC CO., LTD. of 416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA REPUBLIC OF KOREA

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. ' 1.00, in and to the invention entitled as:

OPTICAL POWER SPLITTER HAVING A STABILIZING WAVEGUIDE

invented by Assignor; the application for United States patent therefor, invented by Assignor; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. Assignor authorizes Assignee to enter the date of signature and/or Serial Number and Filing Date in the above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said Assignee, for its interests as Assignee, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said Assignee; and Assignor further conveys to Assignee all priority rights resulting from the above-identified application for United States Patent. Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by Assignee to perfect Assignee's interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

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PATENT REEL: 013524 FRAME: 0380

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

| Name of First Inventor: | Heu-Gon KIM | Kim Hey Gon |
|--------------------------|-----------------|-------------------------|
| | | Sign ature of inventor |
| | | Dated: Nov. 19, 2002 |
| | | WITNESSED: Jog-Hee Kim |
| Name of Second Inventors | : Sung-Hyun LEE | Sign ature of inventor |
| | | Dated: Nov. 19, 2002 |
| | | WITNESSED: Jong Hee kim |

RECORDED: 11/25/2002