

07-31-2003
102512884
PATENTS

To the Assistant Commissioner for Patents

1. Name of conveying party(ies): 7-23-03
Jeong-Hwan SONG; Kyong-Shik LEE; Oh-Dal KWON
Sun-Tae JUNG; Myong-Won KIM; Joon-Yong CHO;
In-Jae LEE; Bang-Weon LEE; Seung-Wan LEE
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: SAMSUNG ELECTRONICS CO.; LTD.
Address: 416, MAETAN-DONG, PALDAL-GU
SUWON-CITY, KYUNGKI-DO
KOREA, REPUBLIC OF KOREA
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
Other: _____
Execution Date: July 18, 2003

4. Application number(s) or patent number(s): 10625161
If this document is being filed together with a new application, the execution date of the application is: July 18, 2003
A. Patent Application No.(s) _____ B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Steve Cha
Address: CHA & REITER
411 Hackensack Avenue, 9th Floor
Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account, if necessary - for overages or underpayments only
8. Deposit account number: 502-470
(Attach duplicate copy of this page if paying by deposit account)

07/25/2003 SZEWDIEI 00000097 10625161
01 FE:8021 40.00 DP

DO NOT USE THIS SPACE

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.
Steve Cha, Reg No.44,069 _____ 7/25/03
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

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

08306 U.S. PTO
10/625161
07/23/03

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) Jeong-Hwan SONG of
224-16, Pangi-dong, Songpa-gu, Seoul, Republic of Korea
- 2) Kyong-Shik LEE of
185, Kaepo-dong, Kangnam-gu, Seoul, Republic of Korea
- 3) Oh-Dal KWON of
#923-902, Byuckjukgol Samsung APT., Youngtong-dong, Paldal-gu, Suwon-shi,
Kyonggi-do, Republic of Korea
- 4) Sun-Tae JUNG of
1115, Hogye-dong, Tongan-gu, Anyang-shi, Kyonggi-do, Republic of Korea
- 5) Myong-Won KIM of
#117-102, Kolon APT., Yatap-dong, Pundang-gu, Songnam-shi, Kyonggi-do,
Republic of Korea
- 6) Joon-Yong CHO of
607, Sipjong-dong, Pupyong-gu, Incheonkwangyok-shi, Republic of Korea
- 7) In-Jae LEE
#307-1203, Hanil APT., Chongja-dong, Pundang-gu, Songnam-shi, Kyonggi-do,
Republic of Korea
- 8) Bang-Weon LEE
97-1, Yangjae-dong, Socho-gu, Seoul, Republic of Korea
- 9) Seung-Wan LEE
928, Youngtong-dong, Paldal-gu, Suwon-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:

ATHERMAL ARRAYED WAVEGUIDE GRATING

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.

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

Name of Sole or First Inventor: Jeong-Hwan SONG Jeong Hwan Song
Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Second Inventor: ~~Kyung~~ Kyung-Shik LEE

Kyung Shik Lee
Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Third Inventor: Oh-Dal KWON

Oh Dal Kwon
Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Fourth Inventor: Sun-Tae JUNG

Sun Tae Jung
Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Fifth Inventor: Myong-Won KIM

Myong Won Kim
Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Sixth Inventor: Joon-Yong CHO

Joon-Yong Cho

Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Seventh Inventor: In-Jae LEE

In Jae Lee

Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Eighth Inventor: Bang-Weon LEE

Bang Weon LEE

Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM

Name of Ninth Inventor: Scung-Wan LEE

Scung Wan Lee

Signature of inventor

Dated: July 18, 2003

WITNESSED: Jong-Hee KIM