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Attorney Docket No. 5000-1-334

To the Assistant Commissioner for Patents

1. Name of conveying party(ies): 1-30-03  
Hyun-Chae SONG; Byung-Gil JEONG

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: January 22, 2003

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

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: January 22, 2003

A. Patent Application No.(s)  
10,354,348

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  
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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.*

Steve Cha, Reg No.44,069  
Name of Person Signing

[Signature]  
Signature

1/30/03  
Date

Total number of pages including cover sheet, attachments, and document: 3

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

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1132 U.S. PTO  
10/354348  
01/30/03

(BDSM 8)  
(9/94)

PATENT  
REEL: 013722 FRAME: 0036

## 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) Hyun-Chae SONG of  
#2-308, Samhwan APT., Kuun-dong, Kwonsong-gu, Suwon-shi, Kyonggi-do,  
Republic of Korea
- 2) Byung-Gil JEONG of  
1018-92, Naedang-dong, So-gu, Taegukwangyok-shi, 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:

**BLOCK BASE HAVING TREE-STRUCTURED GROOVE ARRAY, MULTI-CORE OPTICAL FIBER BLOCK HAVING TREE-STRUCTURED GROOVE ARRAYS, AND METHOD FOR ALIGNING OPTICAL FIBER ARRAYS IN THE SAME**

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.

WITNESSED AND SIGNED  
BY THE ASSIGNEE

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

**Name of First Inventor:** Hyun-Chae SONG

Hyun - chae Song

Signature of inventor

Dated: Jan. 22, 2003

WITNESSED: Jong - Hee KIM

**Name of Second Inventor:** Byung-Gil JEONG

Byung-Gil JEONG

Signature of inventor

Dated: Jan. 22, 2003

WITNESSED: Jong-Hee KIM