

04-05-2004  
102712003  
PATENTS ONLY

FRONT SHEET

Attorney Docket No. 5000-1-551

21711 U.S. PTO  
10811600  
032904

To the Assistant Commissioner for Patents

|   |   |
|---|---|
| <p>1. Name of conveying party(ies):<br/>Ki-Cheol LEE; Yun-Je OH; Kee-Sung NAM;<br/>Tae-Sung PARK<br/><i>3/29/04</i></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:<br/><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br/><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Other: _____</p> <p>Execution Date: <u>March 23, 2004</u></p> | <p>2. Name and address of receiving party(ies):<br/>Name: <u>SAMSUNG ELECTRONICS CO.; LTD.</u><br/>Address: <u>416, MAETAN-DONG, YEONGTONG-GU</u><br/><u>SUWON-SI, GYEONGGI-DO</u><br/><u>REPUBLIC OF KOREA</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
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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: March 23, 2004

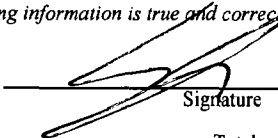
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| A. Patent Application No.(s) | B. Patent No.(s)<br><br><u>10811600</u> |
|------------------------------|---|

Additional numbers attached?  Yes  No

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| <p>5. Name and address of party to whom correspondence concerning document should be mailed:<br/><br/>Name: <u>Steve Cha</u><br/><br/>Address: <u>CHA &amp; REITER</u><br/><u>210 Route 4 East, Suite #103</u><br/><u>Paramus, New Jersey 07652</u></p> | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u><br/><input checked="" type="checkbox"/> Enclosed<br/><input type="checkbox"/> Authorized to be charged to deposit account, if necessary - for overages or underpayments only</p> <p>8. Deposit account number: <u>502-470</u><br/>(Attach duplicate copy of this page if paying by deposit account)</p> |
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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.*

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| <u>Steve Cha, Reg No.44,069</u><br>Name of Person Signing | <br>Signature | <u>3/29/04</u><br>Date |
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Total number of pages including cover sheet, attachments, and document: 3

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03/31/2004 HDEMESS1 00000063 10811600

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40.00 OP

## 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) Ki-Cheol LEE of  
#201-1701, Woncheonjugong 2-danji APT., Woncheon-dong, Paldal-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 2) Yun-Je OH of  
#102-202, Dongilhivil, Unnam-ri, Guseong-myeon, Yongin-si, Gyeonggi-do,  
Republic of Korea
- 3) Kee-Sung NAM of  
#101, Traum House, 1617-22, Seocho 1-dong, Seocho-gu, Seoul, Republic of Korea  
Republic of Korea
- 4) Tae-Sung PARK of  
#109-1202, Samsungraemian 1-cha, Mabuk-ri, Guseong-myeon, Yongin-si, Gyeonggi-do,  
Republic of Korea

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

**SAMSUNG ELECTRONIC CO., LTD.** of  
**416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 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:

### **ETHERNET PASSIVE OPTICAL NETWORK FOR INTEGRATING BROADCAST AND COMMUNICATION BASED ON TIME DIVISION MULTIPLEXING SCHEME**

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 First Inventor:** Ki-Cheol LEE

Ki Cheol Lee

Signature of inventor

Dated: March 23, 2004

WITNESSED: Jong-Hee KIM

**Name of Second Inventor:** Yun-Je OH

Yun Je OH

Signature of inventor

Dated: March 23, 2004

WITNESSED: Jong-Hee KIM

**Name of Third Inventor:** Kee-Sung NAM

Kee Sung NAM

Signature of inventor

Dated: March 23, 2004

WITNESSED: Jong-Hee KIM

**Name of Fourth Inventor:** Tae-Sung PARK

Tae Sung PARK

Signature of inventor

Dated: March 23, 2004

WITNESSED: Jong-Hee KIM