

06-03-2003

FORM PTO-1595 (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005)



102462492

DEPARTMENT OF COMMERCE Patent and Trademark Office

J1036 U.S. PTO 10/444749 05/23/03

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

1. Name of conveying party(ies): Dae Up Kim; Hae Won Jung; Sung Soo Kang; Hyeong Ho Lee S-23-03 Additional name(s) of conveying party(ies) attached? [X] No [] Yes

2. Name and address of receiving party(ies): Name: Electronics & Telecommunications Research Institute Internal Address: Street Address: 161 Gajeong-dong, Yusong-gu City: Daejeon State: Republic of Korea Zip: Country: Republic of Korea Additional name(s)& address(es) attached? [X] No [] Yes

3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 6/12/2002

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: 6/12/02 A. Patent Application No.(s) 10444749 B. Patent No.(s) Additional numbers attached? [X] No [] Yes

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Street Address: 12400 Wilshire Boulevard 7th Floor City: Los Angeles State: CA ZIP: 90025

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 8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

06/02/2003 DBYRNE 00000111 10444749 01 FC:0021 40.00 OP

Eric S. Hyman Name of Person Signing

[Signature] 5/23/03 Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Docket No. 5895P032

PATENT REEL: 014114 FRAME: 0536

