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| Execution Date: September 25, 2000   | ☐ yes  |  |
| 4. Application number(s) or patent number(s):  |  |  |
| •  | n she assession data of the complication in                      |  |
| If this document is being filed together with a new application, the execution date of the application is:   |  |  |
| A. Patent Application No.(s) 09/631,883  | B. Patent No.(s)   |  |
| Additional numbers attached?   |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:  | 6. Total number of applications and registration involved:       |  |
| SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  | 7. Total Fee (37 CFR 3.41): \$40.00                              |  |
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**PATENT REEL: 011322 FRAME: 0490** 

## **ASSIGNMENT**

Whereas, I/We, Kook-yeol Yoo, Byung-sun Choi and Yung-lyul Lee of c/o Samsung Electronics Co., Ltd. 416 Maetan 3-dong, Paldal-gu, Suwon-city Kyungki-do, Rep. of Korea; c/o Samsung Electronics Co., Ltd. 416 Maetan 3-dong, Paldal-gu, Suwon-city, Kyungki-do, Rep. of Korea; c/o Samsung Electronics Co., Ltd. 416 Maetan 3-dong, Paldal-gu, Suwon-city, Kyungki-do, Rep. hereinafter called assignor(s), have invented certain improvements in of Korea

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|---|---|
| VARIABLE LENGTH CODING MET  | THOD AND APPARATUS  |
| and executed an application for Letters P   | Patent of the United States of America therefor on  |
| 25 Se   | September 2000; and   |
| Kyungki-do, Republic of Korea (assign   | ONICS CO., LTD. of 416, Maetan-dong, Paldal-gu, Suwon-city, gnee), desires to acquire the entire right, title and interest in the nited States patents to be obtained therefor; |
| Now therefore, for valuable consi   | sideration, receipt whereof is hereby acknowledged,   |
| its successors and assigns, the entire right therein for the United States of America, I/we request the Commissioner of Patents in the application to the assignee, its sconsideration all papers deemed necessary when called upon to do so by the assigne | st my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS,  |
| (Application number 09/631,883  | , filed 2 August 2000) the filing date and approximan   |
| number of said application when known.  | •   |
| Date: 25 September 2000   | s/ Kook yeol voo  Kook-yeol yoo  s/ hyng-in Noi  Byung-sup Choi   |
| Date: 25 September 2000   | s! Byung-sup Choj   |
| Date: 25 September 2000   | s/  |
| (Legalization not required for recording l  | but is prima facie evidence of execution under 35 U.S.C. §261)  |

PATENT
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