U.S. DEPARTMENT OF COMMERCE

To the Honorable Commissioner of Pata

102233269

d original documents or copy thereof.

01 FC:581

Name of conveying party(ies): Choon-ho HONG Chun-gu HAN

Name and Address of receiving party(ies):

| | SAMSUNG ELECTRON 416 Maetan-dong, Palda Suwon City, Kyungki-do | al-gu | | | |
|--------|--|---|--|-------------------------|--|
| 3. | Republic of Korea Nature of conveyance: | | | | |
| | X Assignment Security Agreemer Other: Execution Date(s): August | | Merger Change of Name | | |
| 4. | (b) The title is:OR☒ This document is being | filed together with a e(s) of the application filed after filing of the No(s). 10/178,955, fil | is/are: | | |
| 5. | Name and address of party STAAS & HALSEY LLP Attention: Michael D. Steir 700 Eleventh Street, N.W., Washington, D.C. 20001 | to whom correspond | lence concerning documer Our Docket: <u>1293.1369</u> | nt should be mailed: | |
| 6. | Total number of application | s and patents involve | ed: <u>1</u> | | |
| 7. | Total fee (37 CFR 3.41) (\$ 40.00 per Assignment) ☑ Enclosed ☐ Authorized to be charged to deposit account. | | | | |
| 8. | Deposit Account No.: 19-3 Account) (Attach duplicate copy of the | | | arged to this Deposit | |
| 9. | Statement and signature. To the best of my knowled, attached copy is a true cop | • | • • | nd correct and any | |
| | el D. Stein, Reg. No. 37,2 | | Mila Oth | 9/23/02 | |
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U.S. ASSIGNMENT

| IN CONSIDERATION of the sum of One D undersigned inventor(s) (hereinafter, "ASSIGNO) | ollar (\$1.00), and of ot R^*) by | her good and valuable c | onsideration paid to th |
|--|--|--|--|
| (Insert Namels) & Address(es) of ASSIGNEE(S)) SAMSUNG ELECTRONICS CO., LT | PD. | | |
| 416 Maetan-dong, Paldal-gu | | yungki –do. | |
| Republic of Korea | | y dilgiti do, | |
| | | | |
| (hereinafter, "ASSIGNEE"), the receipt of which is and transfers to ASSIGNEE the entire and exclusion (Title of Invention) APPARATUS FOR AND METHOD OF 1 | ive right, title and interes | t to the invention entitled | OR hereby sells, assigns |
| relating to International Patent Application PCT/JP_ States was executed on even date herewith or, if | | r which application for Let | ters Patent of the United |
| (a) executed on | ; (Insert date of ex | secution of application, if t | not concurrent) |
| (b) filed on 25 June 2002 Serial No 10 / 178,955 ; | Street, N.W., Wa | ttorney of STAAS & HALS ashington, D.C. 20001 (2) d to insert in (b) the speci | 02/434-1500) is |
| and to said application and all Letters Patent(s) of the rewal, substitute, reissue or reexamination application application to granted and including any exterpatent(s). | ication based thereon, for | r th <mark>e full term or t</mark> erms for | which the said Letters |
| The ASSIGNOR agree(s), when requested by sale of the ASSIGNEE may deem new rotection for said invention, including in the prepartite test, in any interference, reissue, reexamination, which may arise or be declared in relation to same eparate assignments and declarations, taking all vidence. | cessary, desirable or exp ation and prosecution of s on, or public use proceeding, such acts to include but | pedient, for securing, mai aid application(s) and the i ing, and in any litigation or t not be limited to execution | intaining and enforcing issuance of said Letters other legal proceeding ng all papers, including |
| IN WITNESS WHEREOF, the undersigned invent | tor(s) has (have) affixed t | nis/her/their signature(s). | |
| (Typed Name & Signature of Inventor(sl) | (Date) | (Typed Name & Sig | nnature of Witness(es)) |
|) | 7 August 2002 | | |
| Choon-ho Harlig | 7 August 2002 | | |
| Chun-gu Han | | | - |
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PATENT REEL: 013313 FRAME: 0894

RECORDED: 09/23/2002