FORM PTO-1595

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©2005 Staas & Halsey LLP To the Director of the U.S. Patent a attached document. 103609610 Name of conveying parties: Jae Don LEE 2. Name and Address of receiving parties: SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date(s): September 28, 2010 4. Application number(s) or patent number(s): This document is being filed together with a new application. OR This document is being filed after filing of the application: Patent Application No(s)., filed; or (a) (b) Patent No(s)., issued. 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1911.1339 Attention: John R. Bednarz 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 6. Total number of applications and patents involved: __1 7. Total fee (37 CFR 3.41).....(\$ 40.00 per Patent or Application in Assignment) Authorized to be charged to deposit account. 8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account) L. Loke John R. Bednarz, Reg. No. 62,168 Name of Person Signing Signature

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58/11 to

IN CONSIDERATION of the sum of One Dollar (\$1,00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby ecknowledged, the undersigned ASSIGNOR hereby sets, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

COMPUTING SYSTEM AND METHOD CONTROLLING MEMORY OF COMPUTING SYSTEM

(b) filed on ,

Serial No. To Be Assigned;

Any registered attorney of STAAS & HALSEY U.P. 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authoritied to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue of reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said applications) and the issuance of said Letters Petant(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and doctarations, taking all rightful oaths, providing sworn lestimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, (based reigned invertor(s) has (neve) affixed his/her/their signature(s).

(Typed Name & Signature of Impertor(s))

(Date)

(Typed Name & Signature of Witness(as))

Jaa Don (E6)

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RECORDED: 10/12/2010

PATENT REEL: 025193 FRAME: 0429