|--|--|--|

|--|

U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Substitute) 103474379 Patent and Trademark Office (Rev. 8-96) al documents or copy thereof. To the Honorable Commissioner of Patents 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Hynix Semiconductor Inc. Tae Woo Kwon Additional name(s) of conveying party(les) attached? Internal Address: Yes No San 136-1 Street Address: Ami-ri, Bubal-eup 3. Nature of Conveyance: City/State/Zip: Icheon-shi, Gyeonggi-do Republic of Korea ✓ Assignment Merger Security Assignment Change of Name Execution Date(s): December 14, 2007 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the December 14, 2007 application is (are): B. Patent No.(s) A. Patent Application No.(s) Not Yet Known Filed: Herewith Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: 7. Total fee (37 CFR §3.41):.....\$ 40.00 John P. White, Esq. Internal Address: Cooper & Dunham LLP Enclosed 1185 Avenue of the Americas Street Address: Authorized to be charged to deposit account New York, New York 10036 City/State/Zip: 8. Deposit account number: 03-3125 DO NOT USE THIS SPACE 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 December 27, 2007 John P. White Date Name of Person Signing Total Number of pages including cover sheet, attachments and Reg. No. 28, 678 document: 3 STARS CRANGE ACHART LANGER OFFICE Mail documents to be recorded with required cover sheet information to: OMB No. 0651-0011 (exp. 4/94) Mall Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

## Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the undersigned, Tae Woo Kwon, residing at 874 Ilbu-ri, Samga-myeon, Hapcheon-gun, Gyeongsangnam-do, Republic of Korca

Hereby sell, assign and transfer to Hynix Semiconductor Inc., a corporation of the State of Republic of Korea, having a place of business at San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do, Republic of Korea and its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on

December 14, 2007

and is entitled

## INITIALIZATION SIGNAL GENERATING CIRCUIT

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

JPW Rev. April 19, 2007

PATENT REEL: 020351 FRAME: 0355

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: December 14, 2007
Winness: 12<sup>TH</sup> Fl., Paondlim Bldg., 823-1 (address)
Yeaksam-dong, Gangnam-gu.

Tae Woo Kwon

Tayor Keven

JPW Row. April 19, 2007

PATENT REEL: 020351 FRAME: 0356

**RECORDED: 12/27/2007** 

Seoul Republic of Korea