U.S. PTO 12/229361

79526/JPW/KK Docket No. 09-04-2008 FORM PTC-1595 (Substitute) U.S. DEPARTMENT OF COMMERCE SHEFT Patent and Trademark Office (Rev. 8-96) ittached original documents or copy thereof. To the Honorable Commissioner 103522847 and address of receiving party(ies): 1. Name of conveying party(ies). Name: Hynix Semiconductor Inc. Mi Hyun Hwang Additional name(s) of conveying party(ies) attached? Internal Address: Street Address: San 136-1 Ami-ri, Bubal-eup 3. Nature of Conveyance: City/State/Zip: Icheon-shi, Gyeonggi-do Republic of Korea Assignment Assignment Merger Security Assignment Change of Name Other Execution Date(s): August 21, Additional name(s) & address(es) attached? Yes No 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 August 21, 2008 application is (are): A. Patent Application No.(s) Not Yet Known B. Patent No.(s) 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. Name: 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 original document. August 22, 2008 John P. White Name of Person Signing Reg. No. 28, 678 Total Number of pages including cover sheet, attachments and document: 00000028 033125 12229361 09/03/2008 DBYRNE 01 FC:8021 46.60 DA OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 021482 FRAME: 0617

Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the undersigned, Mi Hyun Hwang, #802-605, Chowon Apt., Pyeongchon-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea

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

August 21, 2008

and is entitled

CLOCK CONTROL CIRCUIT AND SEMICONDUCTOR MEMORY DEVICE USING THE SAME

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;

JPIV Rev. April 19, 2007

PATENT REEL: 021482 FRAME: 0618

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, ir 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 al 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 fact: 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 shal consider desirable for aiding in securing, maintaining and enforcing proper paten protection for said inventions and for vesting title to said inventions and al 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 lega representatives that no assignment, grant, mortgage, license or other agreemen 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: August 21, 2008		rebonon	[LS
Witness:	(signature)	Mi Hyun Hwang	
Youn Joo LEE	[printed name]		
6 th FL. Hubbahubba Bldg., 648	(address)		
Yeoksam-dong, Gangnam-gu.	<u> </u>		
Scoul, Republic of Karea:			

JPW Rev. April 19, 200

PATENT REEL: 021482 FRAME: 0619

RECORDED: 08/22/2008