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o the Directory of the U.S. Patent and T 103452 Name of conveying party(ies): Dong-Suk Shin; Inhwa Jung; Chulwoo Kim; Hyung-Dong Lee; Young-Jung Choi	Name: Hynix Semiconductor Inc.
dditional name(s) of conveying party(ies) attached?         Image: No □ Yes         Nature of Conveyance:         Image: Assignment □ Merger         Image: Security Agreement □ Change of Name         Image: Other         cecution Date: 9/28/07; 9/27/07; 9/27/07; 9/28/07; 9/28/07	Internal Address:
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Additional numbers atta	iched? 🖾 No 🔲 Yes
Name and address of party to whom correspondence oncerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address:	<ul> <li>7. Total Fee (37 CFR 3.41)<u>\$ 40.00</u></li> <li>☑ Enclosed</li> <li>☑ Authorized to be charged to deposit account</li> </ul>
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In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned. SHIN, Dong-Suk ; and Inhwa JUNG ; and Chulwoo KIM ; and LEE, Hyung-Dong

## ; and CHOI, Young-Jung

Hereby sells, assigns, and transfers to:

Hynix Semiconductor Inc.

a corporation of <u>Republic of Korea</u>, having a principal place of business at: San 136-1. Ami-ri. Bubal-eub, Ichon-shi, Kyoungki-do 467-860. Republic of Korea ("Assignee"), and its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

 $\begin{bmatrix} X \end{bmatrix}$  which has been executed by the undersigned concurrently herewith,

1 \_\_\_\_\_ which was filed \_\_\_\_\_\_and assigned Serial No. \_\_\_\_\_\_

and is entitled:

IMPEDANCE-CONTROLLED PSEUDO-OPEN DRAIN OUTPUT DRIVER CIRCUIT AND METHOD FOR DRIVING THE SAME

and in and to said application and all divisional. continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries or any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; 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 will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers: communicate to said Assignee, its successors, assigns, and representatives. all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, 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: September 28 . 2007

Name: SMIN, Dong-Suk

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REEL: 019953 FRAME: 0278

\_\_\_\_\_, 2007 Date:

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ħ 'd Name: Inhwa JUNG

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Date:	
	Name: Chulwoo KIM
Date: September 28 . 2007	Name: LEE, Hyung-Dong
Date: September 28	Young - Jung CHOT Name CHOI, Young-Jung

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ASSIGNMENT In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

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[X] which has been executed by the undersigned concurrently herewith,

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Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; 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 will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof, and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

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Date:,	2007
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Sep. 27, 2007 Date:

Name: SHIN, Dong-Suk

Name: Inhwa JUNG

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PATENT REEL: 019953 FRAME: 0280 . . . .

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Date:	<u>Sep. 21</u> , 2007	Name: Chulwoo KIM
Date:	, 2007	Name: LEE, Hyung-Dong
Date:	, 2007	Name: CHOI, Young-Jung

수신시각 9월27일 4:44PM

RECORDED: 10/01/2007

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