

Form PTO-1595
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Attorney Docket No.: 8729-208 (ID200103016)

1. Name of conveying party(ies):

Hyong-Ryol Hwang
Jong-Hyun Choi
Hyun-Soon Jang

08/09/01

Additional name(s) of conveying party(ies) attached?
☐ yes ☒ no

2. Name and address of receiving party(ies):

Name: Samsung Electronics, Co., Ltd.

Internal Address:

Street Address: 416, Maetan-dong, Paldal-
Kyungki-do

City: Suwon-city

Country/State/Zip: Korea

Additional names and addresses attached? ☐ yes ☒ no

3. Nature of Conveyance

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 6, 2001

4. Application number(s) or patent number(s):

09/925812

If this document is being filed together with a new application, the execution date of the application is 8/6/01;

A. Patent Application No.(s)

N/A

B. Patent No.(s):

N/A

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: Frank Chau

Internal Address: F. Chau & Associates, LLP

Street Address: 1900 Hempstead Turnpike, Suite 501

City: East Meadow State: NY ZIP: 11554

6. Total number of applications and patents involved:
[1]

7. Total fee (37 C.F.R. 3.41) \$ 40.00

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August 9, 2001

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PATENT
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AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, KOREA

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: SYSTEM AND METHOD FOR PERFORMING PARTIAL ARRAY SELF-REFRESH OPERATION IN A SEMICONDUCTOR MEMORY DEVICE

invented by me (*if only one inventor is named below*) or us (*if more than one inventor is named below*) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8729-208 (ID200103016), or is more particularly identified as:

- ☒ executed on even date herewith, or
☐ Serial No. _____ filed in the U.S. Patent & Trademark Office on _____,
or
☐ executed on _____,

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AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)

Date Signed

Witness(es)

1) Hyong-Ryol Hwang (Seal) August. 6. 2001
Hyong-Ryol Hwang

2) Jong-Hyun Choi (Seal) Aug. 6 2001
Jong-Hyun Choi

3) Hyun-Soon Jang (Seal) Aug. 6, 2001
Hyun-Soon Jang