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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

Attorney Docket 4799-12

MLO 12.23.98

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy them.

1. Name of conveying party(ies):
Chang Woo RYOO

2. Name and address of receiving party(ies):
Name: Hyundai Electronics Industries Co., Ltd.
Internal Address:
Street Address: San 136-1, Ami-Ri, Bubal-Up, Ichon-Shi
City: Kyungki-Do
State/Country: Korea
Zip:

jc518 U.S. PAT. OFF. 09/22/286 12/23/98

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Additional name(s) & address(es) attached? Yes No

Execution Date: October 9, 1998

4. Application number(s) or patent number(s): 09/22/286
If this document is being filed together with a new application, the execution date of the application is: October 9, 1998

A. Patent Application No.(s)
SN.

B. Patent No.(s)

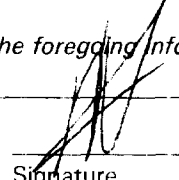
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name Martin B. Pavane
Internal Address: Cohen, Pontani, Lieberman & Pavane
Street Address: 551 Fifth Avenue, 12th Floor
City: New York State: New York Zip: 10176

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41):..... \$40.00 E
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 03 2412
(Attach duplicate copy of this page if paying by deposit account)

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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.
Martin B. Pavane
Name of Person Signing
Reg. No. 28.337

Signature
December 23, 1998
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents
Washington, D.C. 20231

PATENT
REEL: 9676 FRAME: 0084

Attorney Docket Number:

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We I the undersigned, **Chang Woo Ryoo** at **Maehwamaeul 301-906, 205, Yatap-Dong, Bundang-Ku, Sungnam-Shi, Kyungki-Do, Korea** (hereinafter referred to as "ASSIGNOR").

Hereby sell, assign and transfer to **HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.** (hereinafter referred to as "ASSIGNEE"), of **San 136-1, Ami-Ri, Bubal-Uep, Ichon-Shi, Kyungki-Do, Korea** 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.

- which was filed on _____ and accorded
U.S. Serial No. _____,
- which has been executed by the undersigned concurrently herewith,

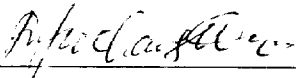
and is entitled Method of manufacturing a semiconductor device
_____ and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said 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;

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.

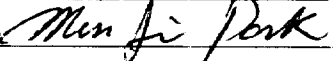
Signature of Inventor

Chang Woo Ryoo 

Witness(es)

1) Mun Jin Park

Date: October 9, 1998

Signature: 

2) Jin Seog Kim

Date: October 9, 1998

Signature 