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To the Honorable Commissioner of Patent

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ached original documents or copy thereof.

1. Name of conveying party(ies)

Shi-Woo Rhee, Jong-Ho Yun

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

2. Name and address of receiving party(ies)

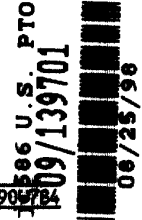
Name: Postech Foundation

Internal Address:

Street Address: San 31, Hyoja-dong, Nam-gu,
Pohang-shi, Kyungsanbuk-do 7909784

City: Republic of Korea

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3. Nature of conveyance:

- Assignment
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- Change of Name
- Other

Execution Date: July 21, 1998.

4. Application number(s) or patent number(s): 09/139701

If this document is being filed together with a new application, the execution date of the application is: July 21, 1998.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved 1

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JOINT

ASSIGNMENT

WHEREAS, WE, Shi-Woo RHEE; and Jong-Ho YUN, ASSIGNORS, citizens of Republic of Korea, residing at Kyosu Apt. 9-803, #756, Jlgok-dong, Nam-gu, Pohang-shi, Kyung-sangbuk-do 790-390, Korea; and San 31, Hyoja-dong, Nam-gu, Pohang-shi, Kyung-sangbuk-do 790-784, Korea, respectively, are the inventors of the invention in

PROCESS FOR SELECTIVE METAL DEPOSITION IN HOLES OF SEMICONDUCTOR DEVICE

for which We have executed an application for a Patent of the United States

- which is executed on even date herewith or _____ (date)
- which is identified by Anderson Kill & Olick, P.C. docket no. _____
- which was filed on _____, Serial No. _____

and WHEREAS, POSTECH FOUNDATION of San 31, Hyoja-dong, Nam-gu, Pohang-shi, Kyung-sangbuk-do 790-784, Korea, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (US\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date July 21, 1998 Shi Woo Rhee L.S.

Date July 21, 1998 Jong Ho Yun L.S.

PATENT