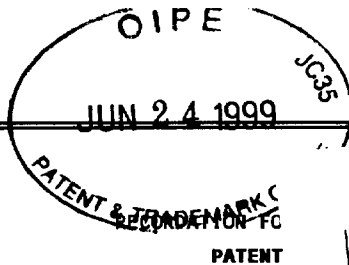


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To the Honorable Commissioner of Patents and Trademarks. Please

1. Name of conveying party(ies):
Hwan-Young CHOI

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:
416, Maetan-dong, Paldal-gu, Suwon, Kyungki-do, Republic of Korea
Street Address:
Same as above

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

City State Zip

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Execution Date: June 3, 1999

6.24.99

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

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

A. Patent Application No.(s)
09/289,599

B. Patent No(s).

Additional numbers attached? Yes No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
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PATENT

ASSIGNMENT

Whereas, I/We, **Hwan-Young CHOI** of **105-901 Mokryun Shindonga Apt., Hogyedong, Dongan-gu, Anyang, Kyonggi-do, Republic of Korea**

hereinafter called assignor(s), have invented certain improvements in

FLOW CONTROL VALVE USING A DIRECT CURRENT MOTOR

and executed an application for Letters Patent of the United States of America therefor on

June 3, 1999; and

Whereas, **SAMSUNG ELECTRONICS CO., LTD.** of **416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea** (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We the above-named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys **SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC** of **2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202** to insert here in parentheses (Application number 09/289,599, filed **April 12, 1999**) the filing date and application number of said application when known.

Date: June 3, 1999 s/ *Hwan young Choi*
Hwan-Young CHOI

Date: _____ s/ _____

Date: _____ s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)
8/92