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FORM PTO-1595  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

U.S. PTO  
07/11/98  
07/17/98

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

1. Name of conveying party(ies):  
**Pyongwon Yim; Hae Sung Kwon; Tho Pham; Hyung Jai Lee**

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

2. Name and address of receiving party(ies):  
Name: **SAMSUNG ELECTRONICS CO., LTD.**  
Internal Address: \_\_\_\_\_

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Street Address: **416, Maetan-Dong, Paldal-Gu, Suwon City, Kyungki-Do, Korea**  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Execution Date: **07/09/98, 07/14/98**

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

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: **07/09/98**  
A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) **07/14/98**

Additional numbers attached? \_\_\_\_\_

6. Total number of applications and patents involved: **1**

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Blakely, Sokoloff, Taylor & Zafman**  
Internal Address: \_\_\_\_\_  
Street Address: **12400 Wilshire Boulevard, 7th Floor**  
City: **Los Angeles** State: **CA** ZIP: **90025**

7. Total Fee (37 CFR 3.41).....\$ **40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account Number:  
**02-2666**  
(Attach duplicate copy of this page if paying by deposit account)

07/24/1998 PSTN/ENC 00000076 09118593  
02 FC:581

DO NOT USE THIS SPACE

9. Statement and signature. **40.00 DP**  
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

**Ben J. Yorks, Reg. No. 33,609** *Ben Yorks* **July 17, 1998**  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **3**

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

Attorney Docket No. **002410.P044**  
(5/27/97)

PATENT  
REEL: 9346 FRAME: 0995



### ASSIGNMENT

WHEREAS, We, **Pyongwon Yim; Hae Sung Kwon; Tho Pham and Hyung Jai Lee**, have invented certain new and useful improvements disclosed in an application for a United States Patent titled **A BALANCE TUBE FOR A SPINDLE MOTOR ASSEMBLY OF A HARD DISK DRIVE** and executed by me, on even dated herewith,

AND WHEREAS, SAMSUNG ELECTRONICS CO., LTD., and having an address of 416, Maetan-Dong, Paldal-Gu, Suwon City, Kyungki-Do, Korea (hereafter, together with my successors, legal representatives of assigns thereof, called "Assignee") wants to acquire the entire right, title and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I have assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title and interest in and to said imprints, and said application and all divisions, substitutions, continuations and continuation in-part-In-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in my foreign countries, and all patents (including all extensions, renewals and reissues thereof) granted for said improvements in my foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and our officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, my agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to Assignee any facts known to me respecting said improvements, and testify in our legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful Oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements; In all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 9<sup>th</sup> day of July 1998

Date: 7/9/98

Pyongwon Yim  
Pyongwon Yim

STATE OF CALIFORNIA )  
COUNTY OF \_\_\_\_\_ ) ss.

On \_\_\_\_\_, 1998 before the undersigned, a Notary Public for the State and County aforesaid, personally appears \_\_\_\_\_, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand this 9<sup>th</sup> day of July 1998

Date: 7-9-98

[Signature]  
Hae Sung Kwon

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 1998 before the undersigned, a Notary Public for the State and County aforesaid, personally appears \_\_\_\_\_, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand this 9<sup>th</sup> day of July 1998

Date: 7-9-98

[Signature]  
Tho Pham

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 1998 before the undersigned, a Notary Public for the State and County aforesaid, personally appears \_\_\_\_\_, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand this 14<sup>th</sup> day of July 1998

Date: 7-14-98

[Signature]  
Hyung Jai Lee

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 1998 before the undersigned, a Notary Public for the State and County aforesaid, personally appears \_\_\_\_\_, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

