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Our Ref.: JSP-4593-306 **PATE**

	103602638			
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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
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<u> </u>	Nhonbashi, Chuo-ku			
Security Assignment Change of Name	City: Tokyo			
Other	State: Zip:			
	•			
Execution Date: 1), 4), 7) and 8) June 25, 2010, 2) July	Additional name/s & address/es attached? Yes No			
7, 2010, 3) June 30, 2010; 5) June 23,				
2010 and 6) June 27, 2010				
••	assignment is being filed together with a new application.			
A. Patent Application No(s).	B. Patent No(s).			
(1) 12/801,518	(1)			
(2)	(2)			
(3)	(3)			
Additional numbers attached Yes No				
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:1			
concerning document should be mailed:	7. Total fee (37 CFR 3.41) \$ 40.00			
Name: Joseph S. Presta	7. Total fee (37 CFR 3.41) \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Name. Joseph S. Fiesta	Authorized to be charged to deposit account #14-1140			
Internal Address:	Authorized to be charged to deposit account #14-1140			
Internal Address.	8. The Commissioner is hereby authorized to charge any			
Street Address: Nixon & Vanderhye P.C.	deficiency in the fee(s) filed, or asserted to be filed, or which			
901 North Glebe Road	should have been filed herewith (or with any paper thereafter			
11th Floor	filed in this application by this firm) to our Account No.			
City: Arlington State: VA Zip: 22203	14-1140.			
ony. Innigion oute. 111 Esp. Bases				
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9. Statements 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.				
Joseph S. Presta	July 20, 2010			
7	nature Date			
Reg. No. 35,329 Total number of pages including original cover sheet, attachments, and document: [3]				
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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S.P.O

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

Chiuming LEUNG Kosuke TANAKA Kazuki SATO Cheukwing LEUNG **Juren DING** Rongkwang NI Wanyin KWAN Mankit LEE

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (Address)

SAE Magnetics (H.K.) Ltd. and TDK Corporation

of SAE Technology Centre, 6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, China; and TDK Kabushiki Kaisha, No. 13-1, 1-Chome, Nhonbashi, Chuo-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Other Countries) (Title)

MAGNETORESISTIVE SENSOR, MAGNETIC HEAD, HEAD GIMBAL ASSEMBLY,

AND DISK DRIVE UNIT WITH THE SAME (Case No.4593-306)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed or has already filed in

U.S. appln. Serial No. 12/801,518, filed on June 11,2010

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

> PATENT REEL: 024737 FRAME: 0432

in witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	6/25/2010	Signature of inventor	Chluming LEUNG
Date	7/7/2010	Signature of inventor	Kosuke Tanaka Kosuke TANAKA
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	6/25/ 2010	Signature of Inventor	Rongiwayig NI
Date	6/25/2010	Signature of inventor	Wanyin KWAN La

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