

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LG ELECTRONICS, INC., and
LG ELECTRONICS U.S.A., INC.
Petitioners

v.

TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION
Patent Owner

Patent No. 6,785,065

PETITION
to Institute an *Inter Partes* Review of U.S. Patent No. 6,785,065
under 37 C.F.R. § 42.100 et seq.

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United States Patent and Trademark Office
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3.	Ikegame	22
4.	Mohri.....	23
B.	Claim 1	24
1.	“An optical recording and/or reproducing apparatus for use with transferring information with respect to a recording medium, comprising:”	24
2.	“a spindle motor rotating the recording medium”	25
3.	“an optical pickup including an objective lens and an actuator which actuates the objective lens so as to transfer the information with respect to the recording medium”	26
4.	“a control unit driving the spindle motor and the optical pickup to transfer the information with respect to the recording medium and controlling the actuator of the optical pickup in the radial, track, tilt and focusing directions”	27
5.	“wherein the actuator comprises: a bobbin movably arranged on a base of the actuator”	32
6.	“at least one focus and tilt coil which drives the bobbin in the focus and the tilt directions and at least one track coil which drives the bobbin in the track direction arranged on each of opposite side surfaces of the bobbin”	36
7.	“support members which move the bobbin and are provided to the other side surfaces of the bobbin”	38
8.	“wherein the focus and tilt coils and the track coils are not arranged on the other side surfaces of the bobbin”	39
9.	“magnets arranged to face corresponding sides of the opposite side surfaces of the bobbin”	39
C.	Claim 2	40

D. Claim 541

E. Claim 642

F. Claim 743

G. Claim 844

 1. “a holder provided at one side of the base and which receives corresponding ends of the support members”45

 2. “outer yokes provided on the base and which receives a corresponding one of the magnets”47

 3. “inner yokes provided on the base and which are arranged respective to the outer yokes”48

H. Claim 951

XI. GROUND 2 – claims 3 and 4 are obvious over Akanuma in combination with one or more of the AAPA, Kim, Ikegame, Mohri, and Wakabayashi52

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 B. Claim 353

 C. Claim 457

 1. “wherein the first set includes one of a pair of the first and third focus and tilt coils, and another pair of the first and second focus and tilt coils; and the second set coil includes one of a pair of the second and fourth focus and tilt coils, and a pair of the third and fourth focus and tilt coils”57

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