

Title (en)

READ/WRITE RECORDING DEVICE AND HEAD POSITIONING MECHANISM THEREFOR

Title (de)

LESE-SCHREIBAUFGZEICHNUNGSVORRICHTUNG UND KOPFPOSITIONIERUNGSMECHANISMUS DAFÜR

Title (fr)

DISPOSITIF D'ENREGISTREMENT DE LECTURE/ECRITURE ET SON MECANISME DE POSITIONNEMENT DE TETE ENREGISTREUSE

Publication

EP 1012832 A4 20040421 (EN)

Application

EP 97941045 A 19970911

Priority

US 9716153 W 19970911

Abstract (en)

[origin: WO9913461A1] A recording device (10) operative to read and write data on a recording medium (200) has a support frame (26), a take-up mechanism (24), bearing elements (18, 22) on opposite sides of a recording head (20). The recording head (20) is mounted for translational movement by a positioning assembly which includes a pair of flexure plates (54, 56) having flexure portions (120, 150) defining torsional springs with oppositely acting torques to resist rotational movement of the recording head (20) during reciprocal movement. A drive includes a stepper motor (96) that operates a shaft cam (94) that bears against a head cam block (86) to move flexure portion (120) and a recording head (20) against a restorative force of flexure portions (120, 150). Cam nuts (34, 38) adjust skew and a cam element (107) adjusts tape penetration.

IPC 1-7

G11B 5/55; **G11B 5/56**; **G11B 5/584**

IPC 8 full level

G11B 5/584 (2006.01); **G11B 5/56** (2006.01)

CPC (source: EP)

G11B 5/0083 (2013.01); **G11B 5/5504** (2013.01); **G11B 5/56** (2013.01)

Citation (search report)

- [XA] US 5566039 A 19961015 - SPICER BARRY K [US]
- See references of WO 9913461A1

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