

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

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9913461 A1 19990318**; AU 4268397 A 19990329; EP 1012832 A1 20000628; EP 1012832 A4 20040421; HK 1030084 A1 20010420; JP 2003527716 A 20030916

DOCDB simple family (application)

**US 9716153 W 19970911**; AU 4268397 A 19970911; EP 97941045 A 19970911; HK 01100666 A 20010130; JP 2000511157 A 19970911