

Title (en)

APPARATUS FOR CONTROLLING THE MOVEMENT OF THE DATA HEAD IN A MOVING-HEAD DATA RECORDING SYSTEM

Publication

**EP 0000946 A3 19790321**

Application

**EP 78100748 A 19780825**

Priority

US 82931277 A 19770831

Abstract (en)

[origin: EP0000946A2] Two servoing functions, both operating from the data reading and recording transducer, are performed in a high performance movinghead disc drive. One servo rapidly moves the head from its current track to any other track utilizing absolute track identifying addresses recorded in the inter-sector gap between data sectors. Once located on a track, the other servo maintains head location precisely over the center of that track while data is being read or recorded employing track following information also recorded in the inter-sector gap. The resolution of transducer location is enhanced by secondary use of the track following information.

IPC 1-7

**G11B 5/58**; **G11B 5/55**; **G05D 3/00**

IPC 8 full level

**G11B 5/55** (2006.01); **G11B 5/596** (2006.01); **G11B 21/08** (2006.01); **G11B 21/10** (2006.01)

CPC (source: EP)

**G11B 5/5547** (2013.01); **G11B 5/59633** (2013.01)

Citation (search report)

- [X] US 4027338 A 19770531 - KRIL RUSSELL STEPHEN
- [X] US 3812533 A 19740521 - KIMURA N, et al
- US 3593333 A 19710713 - OSWALD RICHARD K
- US 3691543 A 19720912 - MUELLER FRANCIS E
- [A] DE 2657642 A1 19770707 - IBM
- [A] DE 2657266 A1 19770707 - IBM
- [A] US 3838457 A 19740924 - PALMER R
- [E] DE 2808404 A1 19780914 - PHILIPS NV
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 10, no. 6, November 1967, New York. WILFORD et al: "Disk surface digital addressing", page 783

Cited by

EP0069548A1; EP0069549A1; US2019049111A1

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**EP 0000946 A2 19790307**; **EP 0000946 A3 19790321**; JP S5445113 A 19790410

DOCDB simple family (application)

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