

Title (en)

REMOVABLE CARTRIDGE DISK DRIVE WITH ANGULARLY INSERTED CARTRIDGES

Title (de)

AUSWECHSELBARE KASSETTE FÜR PLATTENLAUFWERK MIT IM WINKEL VERSETZT EINSTECKBARER KASSETTE

Title (fr)

LECTEUR DE DISQUE A CARTOUCHES AMOVIBLES AVEC CARTOUCHES INSEREES ANGULAIREMENT

Publication

EP 0820628 A4 19990414 (EN)

Application

EP 96937862 A 19961104

Priority

- US 9617544 W 19961104
- US 663595 P 19951113
- US 61509596 A 19960313

Abstract (en)

[origin: WO9718553A1] A removable cartridge disk drive (100) that receives cartridges at an angle relative to the base of the drive. The removable cartridge disk drive ejects cartridges (101) at an angle relative to the base of the drive such that the cartridge opens the disk drive door (286). The removable cartridge may contain multiple disks and is further configured to conform to a 3.5 inch form factor while the corresponding disk drive has a drive height of 1 inch or less. The removable cartridge disk drive also has a bent wire (246) mounted to a suspension on the actuator (110) that engages a head load/unload ramp while a head is over the disk, thereby permitting the disk drive to utilize a stationary head load/unload ramp. The disk drive further has a Burst In Range mode that ignores servo errors unless the servo error occurred during a target data sector and unless the servo error is a certain type of servo error. A history of recent error conditions is maintained. The Special Data Sector mode identifies the exact data sector during which a servo error was detected. The removable cartridge used by the disk drive has an anti-rattle feature.

IPC 1-7

G11B 5/012

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 0298475 A1 19890111 - NEC CORP [JP]
- See references of WO 9718553A1

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