

Title (en)

CARTRIDGE TRANSPORT ASSEMBLY AND METHOD OF OPERATION THEREOF

Publication

**EP 0446227 A4 19920722 (EN)**

Application

**EP 89912707 A 19891107**

Priority

- US 26938988 A 19881110
- US 26939188 A 19881110

Abstract (en)

[origin: WO9005362A1] An automated magnetic tape cartridge library system includes a cabinet (24) having a door (26) removable and pivotally connected thereto. The cabinet (24) houses a plurality of tape drives (56A-56E) a plurality of racks (70) wherein magnetic tape cartridges are stored. A cartridge transport assembly (100) serves to retrieve a cartridge from a rack (70) and to load the cartridge into a target tape drive (56), and vice versa. Movement of the cartridge transport assembly (100) along X, Y, and Z rectangular coordinate axes is effected by X, Y, and Z displacement systems (104, 106, 108). The cartridge transport assembly (100) and the X, Y, and Z displacement systems (104, 106, 108) are all mounted on the removable, pivotal door (26). The cartridge transport assembly (100) includes a pair of engagement fingers (402A, 402B) which engage a selected cartridge upon contact with the cartridge. In an engagement mode, engagement fingers (402A, 402B) are configured and oriented to engage notches provided on opposite edges of standard 8 mm magnetic tape cartridge such that, upon engagement, the cartridge is locked between the fingers (402A, 402B) without the need of further locking mechanisms. Portions of the linkage means of the cartridge transport assembly (100) dually function as ram elements (452A, 452B) for closing a tape drive door (60) once a cartridge is loaded into a target tape drive (56).

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CPC (source: EP)

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Citation (search report)

- No further relevant documents have been disclosed.
- See references of WO 9005362A1

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