

Title (en)
HEAD LOADING MECHANISM FOR A DISK DRIVE

Title (de)
KOPFLADEMECHANISMUS FÜR PLATTENLAUFWERK

Title (fr)
MECANISME DE CHARGEMENT DE TETE POUR UNITE DE DISQUES

Publication
EP 0826210 A1 19980304 (EN)

Application
EP 96915492 A 19960503

Priority
• US 9606261 W 19960503
• US 43825495 A 19950510

Abstract (en)
[origin: WO9636045A1] A head loading mechanism (10) for a removable cartridge disk drive comprises a support base (32) fixedly mounted in the drive, and a movable member (12) movably attached to the support base (32) via a pair of elongate flexures (28, 30). The movable member (12) has a ramped surface (14a, 14b, 16a, 16b) adapted to engage a suspension arm (52, 54) at the distal end of an actuator (41). A read/write head (56, 58) is mounted on the suspension arm (52, 54). The movable member (12) moves upon the flexures (28, 30) in tandem with the actuator (41) as it moves toward and away from the edge of a disk (62, 64) in the drive. The movable member (12) carries the suspension arm (52, 54) of the actuator (41) to the edge of the disk (62, 64), at which point the suspension arm (52, 54) can ride up and down the ramped surface (14a, 14b, 16a, 16b) of the movable member (12) in order to load the read/write head (56, 58) onto the surface of the disk (62, 64) and then subsequently unload the read/write head (56, 58).

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IPC 8 full level
G11B 21/12 (2006.01); **G11B 21/16** (2006.01); **G11B 21/22** (2006.01)

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