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(71) Applicant: SEAGATE TECHNOLOGY, INC. [US/US]; 920 Disc Drive, Scotts Valley, CA 95067–0360 (US).

(72) Inventors: FORBORD, Kent, J.; 4007 Highwood Road, Saint–Louis Park, MN 55416 (US). BENSON, Glenn, A.; 9520 West 267th Street, Lakeville, MN 55044 (US). HIMES, Adam, K.; 6929 Washburn Avenue South, Richfield, MN 55423 (US). HAIDARI, Mehdi, S.; 6896 Charris Court, Eden Prairie, MN 55346 (US). LeClair, Sephen, P.; 13628 James Avenue South, Burnsville, MN 55337 (US). SCHROEDER, Michael, D.; 4310 Farwell Avenue, Webster, MN 55088 (US).

(74) Agent: ANGUS, Robert, M.; Kinney & Lange, P.A., Kinney & Lange Building, 312 South Third Street, Minneapolis, MN 55415–1002 (US).

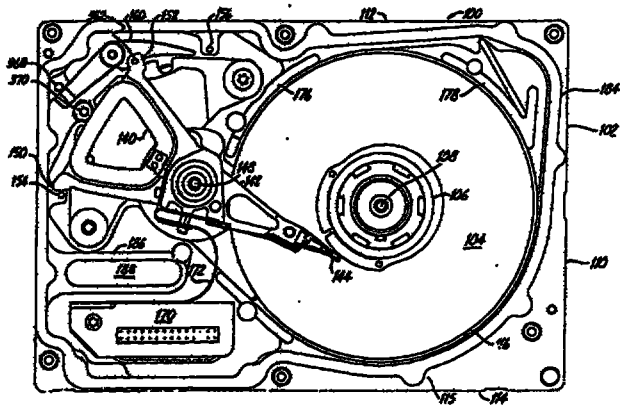
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(54) Title: HIGH PERFORMANCE STANDARD CONFIGURATION DISC DRIVE HAVING SMALLER–THAN–STANDARD DISCS



(57) Abstract

A magnetic disc drive assembly comprises a disc drive housing having an external three–dimensional configuration matching a standard configuration. A disc drive (100) is supported in the housing (102) and includes a stack of rotatable rigid magnetic recording discs (104) in a unique configuration wherein each disc has a diameter smaller than the diameter of rigid discs ordinarily contained in a disc drive housing having the standard configuration. Optionally, the stack of discs includes a number of discs greater than that normally housed in a disc drive housing having the standard configuration. Various techniques are employed to achieve the unique disc configuration, including a stop mechanism (151, 152, 153, 154) attached to the yoke of an E–block assembly (142), a conductor assembly (214) electrically connecting transducers (144) on the E–block to a flex circuit (172, 220) and employing fins (218) supported in slots (204) in the E–block, a cable connector (130) mounted to a circuit board (131) supported on the disc drive housing and having a connector housing (300) having a surface (312) conforming to a curved edge portion (111) of the disc drive housing, and a desiccant housing (186) providing structural support for the disc drive housing.