

A B S T R A C T

DISK SPINDLE MOTOR

A disk spindle motor (200) having a permanent magnet central shaft (202). A pair annular, non-magnetic combination thrust and journal bearings (204A, 204B) having truncated-conical outer surfaces (204') are spaced apart on the shaft (202). The bearings coact with complementary surfaces (210, 211) on the hub (209) of a motor rotor (208). Shaft end caps (206A, 206B) connect the shaft to base means (218) and have radially extending shoulders (206") which define annular gaps (225', 225") with the rotor and function as ferrofluidic seals.

Fig . 1

