

Title (en)

A FLYING HEAD POSITIONER WITH FINE POSITIONING

Title (de)

STELLANTRIEB FÜR FLIEGENDEN OPTISCHEN KOPF MIT FEINEINSTELLUNG

Title (fr)

POSITIONNEUR DE TÊTE FLOTTANTE À POSITIONNEMENT FIN

Publication

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Application

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- US 1549396 P 19960415
- US 1574196 P 19960415
- US 1548996 P 19960415
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- US 1684896 P 19960503
- US 80430197 A 19970221
- US 82460597 A 19970326

Abstract (en)

[origin: WO9739447A1] A head positioner for an optical disk drive comprises a flying optical head, a coarse positioner and a head carriage coupled to the coarse positioner. The head carriage includes a fine positioner on which the flying optical head is mounted. A method for positioning a flying optical head includes steps of positioning the head carriage within a distance of the target position equal to a first positional resolution and rotating the head carriage to position the head within a distance of the target position equal to a second positional resolution less than the first positional resolution. The head positioner may also comprise a sensor having an output representative of a flying height of the head above the medium, a controller coupled to the sensor output and an actuator arranged to apply a variable load force to the flying head through the head carriage.

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IPC 8 full level

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CPC (source: EP)

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