

Title (en)
LOW PROFILE OPTICAL HEAD

Title (de)
OPTISCHER KOPF MIT NIEDRIGEM PROFIL

Title (fr)
TETE OPTIQUE A PROFIL BAS

Publication
EP 1254453 A2 20021106 (EN)

Application
EP 00982448 A 20001205

Priority
• US 0033014 W 20001205
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Abstract (en)
[origin: WO0143126A2] An optical head of a type useable in a optical disk reader/writer is provided. The optical head has a low profile, e.g., in a vertical direction parallel to the disk spin axis, such as less than about 5mm preferably less than about 3mm. Substantially all components of the optical system, including a laser source, objective lens, intervening optics and photo detector are provided in the optical head and mounted in a fixed position with respect to one another. Substantially all optical components of the optical head are moved as a unit, e.g., during tracking and/or focusing. Preferably, the optical head is fabricated using wafer scale and/or stacking technologies, e.g., stacking substantially planar components to achieve the final optical head configuration.

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G11B 7/12

IPC 8 full level
G11B 7/09 (2006.01); **G11B 7/12** (2012.01); **G11B 7/22** (2006.01)

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Citation (search report)
See references of WO 0143126A2

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