

Title (en)

HIGH DATA RATE OPTICAL TAPE RECORDER.

Title (de)

OPTISCHES BANDAUFZEICHNUNGSGERÄT MIT HOHER DATENRATE.

Title (fr)

MAGNETOPHONE OPTIQUE A DEBIT DE DONNEES ELEVE.

Publication

**EP 0647345 A1 19950412 (EN)**

Application

**EP 93910629 A 19930422**

Priority

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Abstract (en)

[origin: WO9322765A1] The optical tape recorder of the present invention is capable of archiving data at rates in excess of 400 megabits per second by concurrently writing or reading a plurality of data tracks in each data trace. A read-write module (102) outputs an illumination beam (104) comprised of combined multiple write beams (channels), a read beam and an autofocus beam. Optics within the read-write module spatially combine and accurately position the plurality of beams with respect to each other to form the multi-beam illumination beam (104). A read-write head (106) comprised of a synchronized scanning transmissive polygon (110) and rotating lens wheel (112) scans the multi-beam illumination beam (104) across a recording media (108) to read or write multi-channel data tracks. An autofocus system is also included to ensure that the multi-beam illumination beam (104) is accurately focused on the recording media (108).

IPC 1-7

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IPC 8 full level

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