

Title (en)
DATA MEMORY

Title (de)
DATENSPEICHER

Title (fr)
MEMOIRE DE DONNEES

Publication
EP 1287523 A1 20030305 (DE)

Application
EP 01960233 A 20010521

Priority
• DE 10028113 A 20000607
• EP 0105834 W 20010521

Abstract (en)
[origin: DE10028113A1] Data memory comprises an optically readable and writable information carrier having a polymer film (11) whose refractive index can be changed by heating; and an absorber assigned to the polymer film for absorbing a write beam and locally transferring the heat generated to the polymer film. The absorber is orientated to absorb light with a polarization direction that is matched to the orientation of the absorber. Preferred Features: A layer (12) containing the absorber is arranged on the polymer film. The absorber has colored molecules whose transition dipole moments are orientated in a preferred direction.

IPC 1-7
G11B 7/24; G11B 7/00

IPC 8 full level
G11B 7/003 (2006.01); **G11B 7/004** (2006.01); **G11B 7/0045** (2006.01); **G11B 7/005** (2006.01); **G11B 7/24006** (2013.01); **G11B 7/24009** (2013.01); **G11B 7/24035** (2013.01); **G11B 7/244** (2006.01); **G11B 7/245** (2006.01); **G11B 7/0025** (2006.01)

CPC (source: EP US)
G11B 7/003 (2013.01 - EP US); **G11B 7/244** (2013.01 - EP US); **G11B 7/245** (2013.01 - EP US); **G11B 7/0025** (2013.01 - EP US)

Citation (search report)
See references of WO 0195318A1

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