

Title (en)
OPTICAL RECORDING MEDIUM

Title (de)
OPTISCHES AUFZEICHNUNGSMEDIUM

Title (fr)
SUPPORT D'ENREGISTREMENT OPTIQUE

Publication
EP 0880777 A1 19981202 (EN)

Application
EP 97910604 A 19971120

Priority
• EP 97910604 A 19971120
• EP 96203318 A 19961125
• IB 9701470 W 19971120

Abstract (en)
[origin: WO9824089A1] An optical recording medium is described having a grooved recording layer. The structure of unwritten tracks must enable a scanning device to derive a radial tracking error signal according to the push-pull method. The structure of the written tracks must enable the scanning device to derive a radial tracking error signal according to the high-frequency phase-detection method. To this end the depth of the groove is in the range from 1/24 to 1/7 times the wavelength of scanning the recording medium, and the phase difference between a radiation beam reflected from a region on track in between written marks and from a mark, is in the range from 0.4 to 2.0 radians.

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

IPC 8 full level
G11B 7/2407 (2013.01); **G11B 7/00** (2006.01); **G11B 7/007** (2006.01); **G11B 7/09** (2006.01); **G11B 7/24079** (2013.01); **G11B 7/005** (2006.01)

CPC (source: EP KR)
G11B 7/0051 (2013.01 - KR); **G11B 7/0901** (2013.01 - EP KR); **G11B 7/24079** (2013.01 - EP KR); **G11B 7/0051** (2013.01 - EP)

Citation (search report)
See references of WO 9824089A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9824089 A1 19980604; EP 0880777 A1 19981202; ID 21023 A 19990408; JP 2000504465 A 20000411; KR 100458727 B1 20050428; KR 19990081945 A 19991115; TW 455843 B 20010921

DOCDB simple family (application)
IB 9701470 W 19971120; EP 97910604 A 19971120; ID 980048 A 19961120; JP 52447298 A 19971120; KR 19980705661 A 19980723; TW 86118670 A 19971211