Title (en)

LASER ASSISTED TRACK WIDTH DEFINITION AND RADIAL CONTROL WITH MAGNETIC RECORDING

Title (de)

LASERUNTERSTÜTZTE SPURBREITEDEFINITION UND RADIALSTEUERUNG MIT MAGNETAUFZEICHNUNG

Title (fr)

DETERMINATION DE LARGEUR DE PISTE ASSISTEE PAR LASER ET ASSERVISSEMENT RADIAL AVEC ENREGISTREMENT MAGNETIQUE

Publication

EP 0988631 A1 20000329 (EN)

Application

EP 99912937 A 19990329

Priority

- US 9906814 W 19990329
- US 8125398 P 19980409
- US 8207798 P 19980417
- US 11109998 P 19981204
- US 11305998 P 19981221
- US 11509499 P 19990107
- US 11577199 P 19990113

Abstract (en)

[origin: WO9953482A1] The present invention provides for the enhancement of the storage capacity of a data disk drive while reducing optical path optics, electronics and/or the mass and complexity of associated read/write heads. The system utilizes light transmitted by optical elements (102, 400) to servo track a data disk (107) and to heat the data disk during reading and writing of data, and magnetic elements for actual reading and writing.

IPC 1-7

G11B 5/00; G11B 5/012; G11B 5/82; G11B 5/596

IPC 8 full level

G11B 7/2403 (2013.01); **G11B 5/00** (2006.01); **G11B 5/012** (2006.01); **G11B 5/02** (2006.01); **G11B 5/596** (2006.01); **G11B 5/64** (2006.01); **G11B 5/65** (2006.01); **G11B 5/73** (2006.01); **G11B 5/82** (2006.01); **G11B 5/84** (2006.01); **G11B 7/24** (2006.01); **G11B 7/26** (2006.01); **G11B 11/105** (2006.01); **G11B 21/10** (2006.01); **G11B 23/00** (2006.01)

CPC (source: EP KR)

G11B 5/00 (2013.01 - EP); **G11B 5/012** (2013.01 - EP); **G11B 5/4866** (2013.01 - EP); **G11B 5/596** (2013.01 - EP); **G11B 5/59677** (2013.01 - EP); **G11B 5/82** (2013.01 - EP); **G11B 5/84** (2013.01 - EP); **G11B 7/2403** (2013.01 - KR); **G11B 7/24047** (2013.01 - KR); **G11B 7/2532** (2013.01 - KR); **G11B 7/2533** (2013.01 - KR); **G11B 11/1055** (2013.01 - EP); **G11B 11/10554** (2013.01 - EP); **G11B 11/10578** (2013.01 - EP); **G11B 11/10582** (2013.01 - EP); **G11B 11/10584** (2013.01 - EP); **G11B 21/106** (2013.01 - EP); **G11B 23/0021** (2013.01 - EP); **G11B 23/0057** (2013.01 - EP); G11B 5/6088 (2013.01 - EP); G11B 11/1058 (2013.01 - EP); G11B 2005/0002 (2013.01 - EP); G11B 2005/0005 (2013.01 - EP); G11B 2005/0021 (2013.01 - EP); G11B 2007/25302 (2013.01 - KR); G11B 2007/25303 (2013.01 - KR); G11B 2220/20 (2013.01 - KR)

Citation (search report)

See references of WO 9953482A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9953482 A1 19991021; EP 0988631 A1 20000329; EP 1078361 A1 20010228; JP 2002511630 A 20020416; JP 2002512725 A 20020423; JP 2008251157 A 20081016; JP 2012181920 A 20120920; JP 4971245 B2 20120711; KR 100581487 B1 20060523; KR 20010071139 A 20010728; WO 9953494 A1 19991021

DOCDB simple family (application)

US 9906814 W 19990329; EP 99912937 A 19990329; EP 99914243 A 19990329; JP 2000543965 A 19990329; JP 2008133001 A 20080521; JP 2012142793 A 20120626; JP 55171399 A 19990329; KR 20007011239 A 20001009; US 9906809 W 19990329