

Title (en)
AZO METAL DYES AND OPTICAL DATA CARRIER CONTAINING ONE SUCH AZO METAL DYE AS A LIGHT ABSORBING COMPOUND IN THE INFORMATION LAYER

Title (de)
AZOMETALLFARBSTOFFE SOWIE OPTISCHER DATENTR GER ENTHALTEND I N DER INFORMATIONSSCHICHT SOLCHE EINEN AZOMETALLFARBSTOFF ALS LICHTABSORBIERENDE VERBINDUNG

Title (fr)
COLORANTS AZOMETALLIQUES ET SUPPORT DE DONNEES OPTIQUE CONTENANT UN TEL COLORANT AZOMETALLIQUE DANS LA COUCHE D'INFORMATION EN TANT QUE COMPOSE PHOTOABSORBANT

Publication
EP 1597321 A1 20051123 (DE)

Application
EP 04707140 A 20040131

Priority
• EP 2004000882 W 20040131
• DE 10305925 A 20030213

Abstract (en)
[origin: WO2004072185A1] An optical data carrier containing a preferably transparent substrate which is, optionally, already covered with one or several reflective layers. A light-inscriptible information layer is disposed on the surface thereof, in addition to optionally one or several reflective layers and optionally a protective layer or another substrate or a covering layer which is inscriptible or readable with blue, red or infrared light, preferably laser light. The information layer contains a light absorbing compound and optionally a binding agent. The invention is characterized in that at least one azo metal dye is used as a light absorbing compound.

IPC 1-7
C09B 45/00; **G11B 7/24**

IPC 8 full level
C09B 45/00 (2006.01); **C09B 69/04** (2006.01); **G11B 7/2467** (2013.01); **G11B 7/248** (2006.01); **G11B 7/249** (2013.01); **G11B 7/246** (2013.01); **G11B 7/247** (2006.01); **G11B 7/2478** (2013.01); **G11B 7/2492** (2013.01); **G11B 7/2495** (2013.01); **G11B 7/2498** (2013.01); **G11B 7/253** (2006.01); **G11B 7/2534** (2013.01); **G11B 7/258** (2006.01); **G11B 7/259** (2013.01)

CPC (source: EP US)
C09B 45/00 (2013.01 - EP US); **C09B 69/045** (2013.01 - EP US); **G11B 7/2467** (2013.01 - EP US); **G11B 7/248** (2013.01 - EP US); **G11B 7/249** (2013.01 - EP US); **G11B 7/246** (2013.01 - EP US); **G11B 7/2478** (2013.01 - EP US); **G11B 7/2492** (2013.01 - EP US); **G11B 7/2495** (2013.01 - EP US); **G11B 7/2498** (2013.01 - EP US); **G11B 7/2534** (2013.01 - EP US); **G11B 7/256** (2013.01 - EP US); **G11B 7/259** (2013.01 - EP US)

Citation (search report)
See references of WO 2004072185A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004072185 A1 20040826; CN 1748004 A 20060315; CN 1751101 A 20060322; DE 10305925 A1 20040826; EP 1597321 A1 20051123; JP 2006521422 A 20060921; TW 200506004 A 20050216; US 2006235210 A1 20061019

DOCDB simple family (application)
EP 2004000882 W 20040131; CN 200480004090 A 20040131; CN 200480004163 A 20040131; DE 10305925 A 20030213; EP 04707140 A 20040131; JP 2006501683 A 20040131; TW 93103260 A 20040212; US 54444704 A 20040131