

Title (en)
SQUARYLIUM DYES AS A LIGHT-ABSORBING COMPOUND IN THE INFORMATION LAYER OF OPTICAL DATA CARRIERS

Title (de)
SQUARYLIUMFARBSTOFFE ALS LICHTABSORBIERENDE VERBINDUNG IN DER INFORMATIONSSCHICHT VON OPTISCHEN DATENTRÄGERN

Title (fr)
COLORANTS SQUARYLIUM SERVANT DE COMPOSES PHOTO-ABSORBANTS DANS LA COUCHE D'INFORMATIONS DE SUPPORTS DE DONNEES OPTIQUES

Publication
EP 1488418 A1 20041222 (DE)

Application
EP 03744371 A 20030318

Priority

- DE 10212199 A 20020319
- DE 10245581 A 20020927
- EP 0302789 W 20030318

Abstract (en)
[origin: US2005142489A1] Novel squarylium compounds for optical data carriers have been found. The latter comprise a preferably transparent substrate to whose surface a light-writable information layer, if desired one or more reflection layers and a further substrate or a protective layer have been applied and can be written on and read by means of red light, preferably laser light, where the information layer comprises a light-absorbent compound and, if desired, a binder. They are characterized in that at least the said squarylium compounds are used as light-absorbent compound.

IPC 1-7
G11B 7/24; **C09B 47/04**; **C09B 57/00**; **C07D 207/32**

IPC 8 full level
B41M 5/26 (2006.01); **C07D 207/325** (2006.01); **C07D 207/34** (2006.01); **C07D 207/44** (2006.01); **C09B 47/04** (2006.01); **C09B 47/08** (2006.01); **C09B 47/10** (2006.01); **C09B 57/00** (2006.01); **C09B 67/02** (2006.01); **G11B 7/244** (2006.01); **G11B 7/246** (2013.01); **G11B 7/247** (2006.01); **G11B 7/248** (2006.01); **G11B 7/249** (2006.01); **G11B 7/2492** (2013.01); **G11B 7/254** (2006.01); **G11B 7/253** (2006.01); **G11B 7/2534** (2013.01); **G11B 7/2542** (2013.01); **G11B 7/258** (2006.01); **G11B 7/259** (2013.01)

CPC (source: EP US)
C09B 47/04 (2013.01 - EP US); **C09B 47/085** (2013.01 - EP US); **C09B 57/007** (2013.01 - EP US); **C09B 67/0097** (2013.01 - EP US); **G11B 7/244** (2013.01 - EP US); **G11B 7/246** (2013.01 - EP US); **G11B 7/248** (2013.01 - EP US); **G11B 7/2492** (2013.01 - EP US); **G11B 7/2534** (2013.01 - EP US); **G11B 7/2542** (2013.01 - EP US); **G11B 7/259** (2013.01 - EP US)

Citation (search report)
See references of WO 03079339A1

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)
US 2005142489 A1 20050630; AU 2003226651 A1 20030929; CN 1643587 A 20050720; EP 1488418 A1 20041222; JP 2005520835 A 20050714; WO 03079339 A1 20030925

DOCDB simple family (application)
US 50841704 A 20040917; AU 2003226651 A 20030318; CN 03806414 A 20030318; EP 0302789 W 20030318; EP 03744371 A 20030318; JP 2003577251 A 20030318