

Title (en)
DATA SUPPORT WITH IDENTIFICATIONS WRITTEN THEREON BY MEANS OF A LASER BEAM AND METHOD FOR PRODUCTION THEREOF

Title (de)
DATENTRÄGER MIT MITTELS LASERSTRAHL EINGESCHRIEBENEN KENNZEICHNUNGEN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
SUPPORT DE DONNEES POURVU D'IDENTIFICATIONS INSCRITES AU MOYEN D'UN FAISCEAU LASER ET PROCEDE DE FABRICATION DUDIT SUPPORT

Publication
EP 1697146 A2 20060906 (DE)

Application
EP 04803402 A 20041201

Priority
• EP 2004013634 W 20041201
• DE 10358784 A 20031212

Abstract (en)
[origin: WO2005058610A2] The invention relates to a data support on which identifications (20, 22), in the form of patterns, letters, numbers and/or images have been applied by means of laser beams, which are visible due to local changes in the optical properties of the data support brought about by material changes generated by the laser beam. According to the invention, the data support comprises a laser-sensitive recording layer (26), transparent in the visible spectral range, provided with a surface relief in the form of a lenticulation (28). The identifications are written in the recording layer (26) with a laser beam through the lenticulation (28) from various angles and are visible on later viewing at the same angle. The data support is transparent at least in the region of the applied identifications (20, 22).

IPC 8 full level
B42D 15/10 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)
B42D 25/00 (2014.10 - EP US); **B42D 25/23** (2014.10 - US); **B42D 25/29** (2014.10 - EP US); **B42D 25/435** (2014.10 - US);
B42D 2033/24 (2022.01 - EP)

Citation (search report)
See references of WO 2005058610A2

Cited by
US10800201B2

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

DOCDB simple family (publication)
WO 2005058610 A2 20050630; WO 2005058610 A3 20060209; AT E545518 T1 20120315; DE 10358784 A1 20050714;
EP 1697146 A2 20060906; EP 1697146 B1 20120215; ES 2379632 T3 20120430; US 2007063053 A1 20070322; US 8006908 B2 20110830

DOCDB simple family (application)
EP 2004013634 W 20041201; AT 04803402 T 20041201; DE 10358784 A 20031212; EP 04803402 A 20041201; ES 04803402 T 20041201;
US 58212504 A 20041201