

Title (en)
DATA CARRIER COMPRISING MARKINGS

Title (de)
DATENTRÄGER MIT KENNZEICHNUNGEN

Title (fr)
SUPPORT DE DONNEES COMPRENANT DES MARQUES DISTINCTIVES

Publication
EP 1687763 A1 20060809 (DE)

Application
EP 04818387 A 20041108

Priority
• EP 2004012628 W 20041108
• DE 10353092 A 20031112

Abstract (en)
[origin: EP1983473A1] Data carrier into which markings are introduced using a laser beam, said markings being visible as laser-generated irreversible changes of the optical characteristics of the data carrier. The data carrier comprises a laser-sensitive layer (20) that is opaque in the visible spectrum and is combined with a securing layer (22) that is metalized in at least a partial area. The markings (30, 32) are introduced simultaneously and with exactly matching registers in the laser sensitive layer and the metalized area (24) of the securing layer. An independent claim is made for a method for manufacturing an inventive data carrier.

IPC 8 full level
G06K 19/14 (2006.01); **B42D 15/10** (2006.01); **G06K 1/12** (2006.01); **G07F 7/08** (2006.01)

CPC (source: EP US)
B41M 5/24 (2013.01 - EP US); **B42D 25/373** (2014.10 - US); **B42D 25/41** (2014.10 - EP US); **B42D 25/435** (2014.10 - US); **B42D 25/45** (2014.10 - US); **G06K 1/126** (2013.01 - EP US); **G07F 7/086** (2013.01 - EP US); **B42D 25/309** (2014.10 - EP US); **B42D 2033/10** (2022.01 - EP); **Y10T 428/24851** (2015.01 - EP US); **Y10T 428/24868** (2015.01 - EP US); **Y10T 428/24917** (2015.01 - EP US)

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

DOCDB simple family (publication)
WO 2005048182 A1 20050526; AT E461499 T1 20100415; DE 10353092 A1 20050616; DE 502004010924 D1 20100429; EP 1687763 A1 20060809; EP 1983473 A1 20081022; EP 1983473 B1 20100317; ES 2341391 T3 20100618; US 2007087173 A1 20070419; US 2010290039 A1 20101118; US 8409693 B2 20130402

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