

Title (en)
SECURITY FEATURE FOR RECORDING MATERIALS

Title (de)
SICHERHEITSMERKMAL FÜR AUFZEICHNUNGSMATERIALIEN

Title (fr)
CARACTERISTIQUE DE SECURITE POUR MATERIAUX DE REPRODUCTION

Publication
EP 1778499 B1 20080618 (DE)

Application
EP 05759525 A 20050622

Priority
EP 2005006746 W 20050622

Abstract (en)
[origin: WO2006136188A1] The invention relates to a novel security feature in the form of a luminescent marking for integration in a recording material. The security feature comprises a radiation layer (21) with luminescent components and a masking layer (2) with cavity pigments at least partly masking the radiation layer. The pigments in the masking layer (2) are fused by locally defined heat treatment into the form of a marking. The invention particularly relates to a heat-sensitive recording material comprising, in a preferred embodiment, at least one substrate (10), a heat-sensitive recording layer (30), an intermediate layer (21), between the substrate and the heat-sensitive recording layer in the form of a radiation layer with luminescent components and a masking layer with cavity pigments (2), the pigments of the masking layer (2) being fused in the form of a marking by locally defined fusion.

IPC 8 full level
B42D 15/00 (2006.01)

CPC (source: EP US)
B41M 3/144 (2013.01 - EP US); **B41M 5/366** (2013.01 - EP US); **B42D 25/29** (2014.10 - EP US); **B42D 25/387** (2014.10 - EP US); **Y10T 428/24835** (2015.01 - EP US); **Y10T 428/24893** (2015.01 - EP US); **Y10T 428/249971** (2015.04 - EP US); **Y10T 428/249975** (2015.04 - EP US)

Cited by
EP3517309A1; EP2993054A1; EP2993055A1; DE102021133333A1; WO2023110951A1

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 2006136188 A1 20061228; AT E398534 T1 20080715; DE 502005004468 D1 20080731; EP 1778499 A1 20070502; EP 1778499 B1 20080618; ES 2308516 T3 20081201; JP 2008546566 A 20081225; JP 4751447 B2 20110817; US 2008157517 A1 20080703; US 8524633 B2 20130903

DOCDB simple family (application)
EP 2005006746 W 20050622; AT 05759525 T 20050622; DE 502005004468 T 20050622; EP 05759525 A 20050622; ES 05759525 T 20050622; JP 2008517328 A 20050622; US 79162205 A 20050622