

Title (en)
HEAT SENSITIVE RECORDING MATERIAL WITH SECURITY FEATURE

Title (de)
WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL MIT SICHERHEITSMERKMAL

Title (fr)
MATERIAU D'ENREGISTREMENT THERMOSENSIBLE AVEC UNE CARACTÉRISTIQUE DE SÉCURITÉ

Publication
EP 2419564 B1 20140813 (DE)

Application
EP 10713952 A 20100415

Priority
• EP 2010054938 W 20100415
• DE 102009017444 A 20090415

Abstract (en)
[origin: WO2010119089A1] The invention relates to a heat-sensitive recording material, comprising a substrate paper having a heat-sensitive recording layer arranged on one side. A particulate, water-insoluble azo dye and/or planchettes in which a particulate, water-insoluble azo dye is dispersed are embedded in the substrate paper. Alternatively or additionally, a particulate, water-insoluble azo dye is dispersed in the heat-sensitive recording layer. If the paper product is treated with organic solvents in the course of a manipulation attempt, the dye particles are dissolved. The recording material is intensely discolored, and the manipulation attempt is irreversibly indicated.

IPC 8 full level
D21H 21/40 (2006.01); **B41M 5/26** (2006.01); **B41M 5/28** (2006.01); **B41M 5/30** (2006.01); **D21H 21/42** (2006.01); **D21H 21/44** (2006.01)

CPC (source: EP)
B41M 5/41 (2013.01); **D21H 21/28** (2013.01); **D21H 21/40** (2013.01); **D21H 21/42** (2013.01); **D21H 21/44** (2013.01); **B41M 3/142** (2013.01); **B41M 2205/04** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102009017444 A1 20101021; EP 2419564 A1 20120222; EP 2419564 B1 20140813; WO 2010119089 A1 20101021

DOCDB simple family (application)
DE 102009017444 A 20090415; EP 10713952 A 20100415; EP 2010054938 W 20100415