

Title (en)

Heat sensitive recording material comprising a feature for authentication

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial mit Authentifikationsmerkmal

Title (fr)

Matériau thermosensible pour l'enregistrement comprenant un dispositif d'authentification

Publication

EP 1813436 A3 20080312 (DE)

Application

EP 07000997 A 20070118

Priority

- DE 102006003805 A 20060125
- DE 102006032523 A 20060712

Abstract (en)

[origin: EP1813436A2] A thermographic material (A), comprising a substrate supporting an active coating layer containing color former(s) (I) and developer(s) (II) reacting in presence of heat to form a colored printed image, contains at least two different (I) reacting with (II) to form different, first and second colors. The obtained image has a color formed from the first and second colors, with a color location of specific Lab values as authentication characteristic. A thermographic material (A), comprising a substrate supporting an active coating layer containing color former(s) (I) and developer(s) (II) reacting in presence of heat to form a colored printed image, contains at least two different (I) reacting with (II) to form different, first and second colors. The obtained image has a color formed from the first and second colors, with a color location having the following specific Lab values L^* , a^* , b^* (determined with Elrepho 3000 (RTM: not defined) apparatus using light of type D 65/10) as authentication characteristic: $L^* = 24-35\%$; $a^* = -1$ to $+30$; and $b^* = -2$ to -60 .

IPC 8 full level

B41M 5/34 (2006.01); **B41M 3/14** (2006.01)

CPC (source: EP)

B41M 5/30 (2013.01); **B41M 5/3275** (2013.01); **B41M 5/3333** (2013.01); **B41M 5/3335** (2013.01); **B41M 5/3336** (2013.01)

Citation (search report)

- [X] EP 0968837 A1 20000105 - JUJO PAPER CO LTD [JP]
- [A] EP 0249885 A2 19871223 - KANZAKI PAPER MFG CO LTD [JP]
- [A] US 4997741 A 19910305 - WATANABE TOSHIYUKI [JP]
- [A] DATABASE WPI Week 198449, Derwent World Patents Index; AN 1984-304468, XP002467119

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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