

Title (en)

Heat-sensitive recording material with barrier coating

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial mit Barrierebeschichtung

Title (fr)

Matériel d'enregistrement sensible à la chaleur doté d'un revêtement de barrière

Publication

EP 2329959 B1 20120829 (DE)

Application

EP 09177678 A 20091201

Priority

EP 09177678 A 20091201

Abstract (en)

[origin: EP2329959A1] Heat-sensitive recording material comprises at least one substrate; a heat-sensitive recording layer arranged on the front side of the substrate with at least one dye precursor and at least one color acceptor; a protective layer covering the heat-sensitive recording layer; and a barrier coating containing an ethylene vinyl alcohol copolymer and suited to protect the heat-sensitive recording layer against penetration of chemicals causing uncontrolled desensibilization and color reactions in the heat-sensitive recording layer. Heat-sensitive recording material comprises at least one substrate; a heat-sensitive recording layer arranged on the front side of the substrate with at least one dye precursor and at least one color acceptor, where the dye precursor and color acceptor react with one another under the action of heat to form color; a protective layer covering the heat-sensitive recording layer; and a barrier coating containing an ethylene vinyl alcohol copolymer and suited to protect the heat-sensitive recording layer against penetration of chemicals causing uncontrolled desensibilization and color reactions in the heat-sensitive recording layer, where the barrier coating is disposed between the substrate and the heat-sensitive recording layer.

IPC 8 full level

B41M 5/44 (2006.01)

CPC (source: EP US)

B41M 5/3275 (2013.01 - EP US); **B41M 5/3372** (2013.01 - EP US); **B41M 5/41** (2013.01 - EP US); **B41M 5/42** (2013.01 - EP US); **B41M 5/44** (2013.01 - EP US); **B41M 3/10** (2013.01 - EP US); **B41M 3/14** (2013.01 - EP US); **B41M 5/3335** (2013.01 - EP US); **B41M 5/3336** (2013.01 - EP US); **B41M 5/3375** (2013.01 - EP US); **B41M 5/423** (2013.01 - EP US); **B41M 5/426** (2013.01 - EP US); **B41M 2205/04** (2013.01 - EP US); **B41M 2205/38** (2013.01 - EP US); **B41M 2205/40** (2013.01 - EP US)

Cited by

CN111778773A; WO2019141751A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2329959 A1 20110608; **EP 2329959 B1 20120829**; ES 2394407 T3 20130131; US 2014274681 A1 20140918; US 9050844 B2 20150609; WO 2011067004 A1 20110609

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