

Title (en)

Heat-sensitive recording material with a novel dye-acceptor combination

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial mit einer neuartigen Farbakzeptor-Kombination

Title (fr)

Matériel d'enregistrement thermosensible doté d'une combinaison d'absorbeurs de couleur d'un nouveau type

Publication

EP 2910384 B1 20160921 (DE)

Application

EP 14156227 A 20140221

Priority

EP 14156227 A 20140221

Abstract (en)

[origin: WO2015124462A1] The invention relates to a heat-sensitive recording material, comprising a substrate in sheet form, having a front face and an opposing rear face; at least one heat-sensitive recording layer on at least one of the faces of the substrate in sheet form, characterised in that the heat-sensitive recording layer contains as colour acceptor a combination consisting at least of one, two, three, or more than three colour acceptor (compounds) of formula (1) in which R is an alkyl group, and at least one secondary colour acceptor containing oligomers of lactic acid according to formula (3).

IPC 8 full level

B41M 5/333 (2006.01)

CPC (source: EP KR US)

B41M 5/3275 (2013.01 - US); **B41M 5/333** (2013.01 - EP KR US); **B41M 5/3331** (2013.01 - EP KR US); **B41M 5/3333** (2013.01 - EP KR US); **B41M 5/3335** (2013.01 - EP KR US); **B41M 2205/04** (2013.01 - EP KR US)

Cited by

US11084308B2; EP3482964A1; CN108290435A; EP3482963A1; EP3505358A1; WO2019091813A1; WO2018130576A1; WO2017081064A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2910384 A1 20150826; **EP 2910384 B1 20160921**; CN 106061747 A 20161026; CN 106061747 B 20190820; ES 2606479 T3 20170324; KR 20160130406 A 20161111; US 2017043601 A1 20170216; US 9931877 B2 20180403; WO 2015124462 A1 20150827

DOCDB simple family (application)

EP 14156227 A 20140221; CN 201580009022 A 20150210; EP 2015052750 W 20150210; ES 14156227 T 20140221; KR 20167025993 A 20150210; US 201515118740 A 20150210