

Title (en)
Heat-sensitive recording material

Title (de)
Wärmeempfindliches Aufzeichnungsmaterial

Title (fr)
Matériel d'enregistrement sensible à la chaleur

Publication
EP 2765007 B1 20150916 (DE)

Application
EP 13154683 A 20130208

Priority
EP 13154683 A 20130208

Abstract (en)
[origin: EP2765007A1] Heat-sensitive recording material comprises a substrate, and a recording layer comprising one or more dye precursor, N-(p-toluenesulfonyl)-N'-3-(p-toluenesulfonyl-oxyphenyl)urea and one or more condensation product comprising a phenol compound (I). Heat-sensitive recording material comprises a substrate, and a recording layer comprising one or more dye precursor, N-(p-toluenesulfonyl)-N'-3-(p-toluenesulfonyl-oxyphenyl)urea, and one or more condensation products comprising a phenol compound of formula (I). R1 : halo, OH, 1-5C alkyl, 1-5C alkoxy, CN, nitro, aryl or alkaryl; R2 : H, 1-5C alkyl or aryl; and m, n : 0-3. An independent claim is included for use of (I) for improving a resistance of the heat-sensitive recording material, whose recording layer comprises a color developer of N-(p-toluenesulfonyl)-N'-3-(p-toluenesulfonyl-oxyphenyl) urea, obtainable by thermal expression to substances consisting of water, alcohols, fats, and/or oils. [Image].

IPC 8 full level
B41M 5/333 (2006.01)

CPC (source: EP)
B41M 5/3335 (2013.01); **B41M 5/3333** (2013.01)

Cited by
DE102019103679A1; CN111655501A; KR20200112943A; RU2755735C1; WO2019149806A1; US11752793B2

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 2765007 A1 20140813; EP 2765007 B1 20150916

DOCDB simple family (application)
EP 13154683 A 20130208