

Title (en)  
HEAT SENSITIVE RECORDING MATERIAL

Title (de)  
WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL

Title (fr)  
MATÉRIEL D'ENREGISTREMENT SENSIBLE À LA CHALEUR

Publication  
**EP 3352991 B1 20190130 (DE)**

Application  
**EP 17777054 A 20170929**

Priority  
• EP 16192933 A 20161007  
• EP 2017074875 W 20170929

Abstract (en)  
[origin: WO2018065328A1] The invention relates to a heat-sensitive recording material comprising i) a carrier substrate and ii) a heat-sensitive recording layer, wherein the heat-sensitive recording layer contains a color former and a color developer mixture and the color developer mixture contains a) N-[2-(3- phenylureido)phenyl]benzole sulfonamide (compound of formula (I)), wherein the compound of formula (I) is present in a crystalline form, which has an absorption band in the IR spectrum at  $3401 \pm 20 \text{ cm}^{-1}$ , and b) N-(4-methylphenylsulfonyl)-N-(3-(4-methylphenylsulfonyloxy)phenyl)urea (compound of formula (II)).

IPC 8 full level  
**B41M 5/323** (2006.01); **B41M 5/333** (2006.01)

CPC (source: EP US)  
**B41M 5/323** (2013.01 - EP US); **B41M 5/333** (2013.01 - EP US); **B41M 2205/04** (2013.01 - EP US)

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 3305538 A1 20180411**; DE 102017122800 A1 20180412; EP 3352991 A1 20180801; EP 3352991 B1 20190130; ES 2720576 T3 20190723; JP 2019534190 A 20191128; JP 6664553 B2 20200313; US 10850546 B2 20201201; US 2020039270 A1 20200206; WO 2018065328 A1 20180412

DOCDB simple family (application)  
**EP 16192933 A 20161007**; DE 102017122800 A 20170929; EP 17777054 A 20170929; EP 2017074875 W 20170929; ES 17777054 T 20170929; JP 2019530416 A 20170929; US 201716339991 A 20170929