

Title (en)  
HEAT-SENSITIVE RECORDING MATERIAL

Title (de)  
WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL

Title (fr)  
MATÉRIAU D'IMPRESSION THERMOSENSIBLE

Publication  
**EP 3746309 A1 20201209 (DE)**

Application  
**EP 19702871 A 20190131**

Priority  
• DE 102018102180 A 20180131  
• EP 2019052349 W 20190131

Abstract (en)  
[origin: WO2019149806A1] The invention relates to a heat-sensitive recording material comprising a substrate, a heat-sensitive recording layer which comprises N-(4-methylphenylsulfonyl)-N'-(3-(4-methylphenylsulfonyloxy)phenyl)urea and/or N-[2-(3-phenylureido)phenyl]benzol sulfonamide, and an intermediate layer which is arranged between the substrate and the heat-sensitive recording layer and which comprises calcined aluminum silicate. The invention also relates to a method for producing a heat-sensitive recording material and to the use of calcined aluminum silicate in an intermediate layer of a heat-sensitive recording material.

IPC 8 full level  
**B41M 5/333** (2006.01); **B41M 5/323** (2006.01); **B41M 5/327** (2006.01); **B41M 5/42** (2006.01); **B41M 5/44** (2006.01)

CPC (source: EP KR RU US)  
**B41M 5/323** (2013.01 - EP KR); **B41M 5/3275** (2013.01 - US); **B41M 5/333** (2013.01 - RU); **B41M 5/3333** (2013.01 - EP KR US); **B41M 5/3375** (2013.01 - KR); **B41M 5/3377** (2013.01 - KR); **B41M 5/426** (2013.01 - EP US); **B41M 5/443** (2013.01 - US); **B41M 5/3275** (2013.01 - EP); **B41M 5/443** (2013.01 - EP); **B41M 2205/04** (2013.01 - EP KR US); **B41M 2205/38** (2013.01 - EP KR US); **B41M 2205/40** (2013.01 - EP KR 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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102018102180 A1 20190801**; CN 111655501 A 20200911; EP 3746309 A1 20201209; JP 2021511982 A 20210513; JP 7307735 B2 20230712; KR 102492960 B1 20230130; KR 20200112943 A 20201005; RU 2755735 C1 20210920; US 11752793 B2 20230912; US 2020369062 A1 20201126; WO 2019149806 A1 20190808

DOCDB simple family (application)  
**DE 102018102180 A 20180131**; CN 201980011166 A 20190131; EP 19702871 A 20190131; EP 2019052349 W 20190131; JP 2020541897 A 20190131; KR 20207024596 A 20190131; RU 2020128495 A 20190131; US 201916966323 A 20190131