

Title (en)

HEAT-SENSITIVE RECORDING MATERIAL, AND HEAT-SENSITIVE RECORDING LAYER AND COATING COMPOSITION FOR PRODUCING SAME, CORRESPONDING USES AND METHOD

Title (de)

WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL SOWIE WÄRMEEMPFLINDLICHE AUFZEICHNUNGSSCHICHT UND BESCHICHTUNGSZUSAMMENSETZUNG ZU SEINER HERSTELLUNG, ENTSPRECHENDE VERWENDUNGEN UND VERFAHREN

Title (fr)

MATIÈRE D'IMPRESSION THERMOSENSIBLE ET COUCHE D'IMPRESSION THERMOSENSIBLE ET COMPOSITION DE REVÊTEMENT POUR LA RÉALISER, UTILISATIONS CORRESPONDANTES ET PROCÉDÉ

Publication

**EP 4200139 A1 20230628 (DE)**

Application

**EP 21763350 A 20210819**

Priority

- EP 20191807 A 20200819
- EP 2021073080 W 20210819

Abstract (en)

[origin: WO2022038242A1] The invention relates to a heat-sensitive recording layer comprising phenol-group-free organic color developers, to a coating composition for producing the heat-sensitive recording layer, and to a heat-sensitive recording material, in particular thermal paper, comprising the heat-sensitive recording layer. The invention also relates to the use of the heat-sensitive recording layer to produce the heat-sensitive recording material, to a method for producing the heat-sensitive recording material, and to the use of the heat-sensitive recording material in thermal paper applications. Because of its composition, the heat-sensitive recording material has particularly good recyclability and is highly environmentally friendly.

IPC 8 full level

**B41M 5/327** (2006.01); **B41M 5/323** (2006.01); **B41M 5/333** (2006.01); **B41M 5/337** (2006.01)

CPC (source: EP)

**B41M 5/3275** (2013.01); **B41M 5/3336** (2013.01); **B41M 5/337** (2013.01); **B41M 5/3372** (2013.01); **B41M 5/3375** (2013.01); **B41M 5/3377** (2013.01); **B41M 5/323** (2013.01); **B41M 5/327** (2013.01); **B41M 2205/04** (2013.01)

Citation (search report)

See references of WO 2022038242A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 3957488 A1 20220223**; EP 4200139 A1 20230628; WO 2022038242 A1 20220224

DOCDB simple family (application)

**EP 20191807 A 20200819**; EP 2021073080 W 20210819; EP 21763350 A 20210819