

Title (en)

A RECEIVER MATERIAL HAVING A POLYMER WITH NANO-COMPOSITE FILLER MATERIAL

Title (de)

EMPFÄNGERMATERIAL MIT EINEM POLYMER MIT NANOKOMPOSITFÜLLSTOFF

Title (fr)

MATÉRIAU RÉCEPTEUR COMPORTANT UN POLYMÈRE COMPRENANT UN MATÉRIAU DE CHARGE NANO-COMPOSITE

Publication

EP 3931002 A1 20220105 (EN)

Application

EP 20713137 A 20200225

Priority

- US 201916284350 A 20190225
- US 2020019682 W 20200225

Abstract (en)

[origin: WO2020176489A1] A transferable receiver material is provided that includes a polymer film assembly comprising inorganic particles having a first dimension smaller than 100 nanometers and an orthogonal, second dimension larger than 100 nanometers. The polymer film assembly can be coupled with a carrier film and the polymer film assembly can be configured to separate from the carrier film and couple with a target object surface along a defined edge upon application of heat. Optionally, the polymer film assembly includes a holographic image configured to be transferred to a target object surface upon application of heat. The polymer film assembly can be configured to receive one or more dyes, pigments, inks, special effect materials, or special effect metals for thermally transfer onto a target object. After transfer onto a target object, images transferred by the material are visible through the polymer film assembly.

IPC 8 full level

B41M 5/025 (2006.01); **B41M 5/035** (2006.01); **B41M 5/382** (2006.01); **B41M 5/392** (2006.01); **B41M 5/52** (2006.01)

CPC (source: EP KR)

B41M 5/025 (2013.01 - EP KR); **B41M 5/0256** (2013.01 - KR); **B41M 5/035** (2013.01 - KR); **B41M 5/0355** (2013.01 - KR); **B41M 5/382** (2013.01 - EP KR); **B41M 5/392** (2013.01 - EP KR); **B41M 5/5218** (2013.01 - EP KR); **B41M 5/0256** (2013.01 - EP); **B41M 5/035** (2013.01 - EP); **B41M 5/0355** (2013.01 - EP); **B41M 2205/02** (2013.01 - EP KR); **B41M 2205/06** (2013.01 - EP KR); **B41M 2205/10** (2013.01 - EP KR)

Citation (search report)

See references of WO 2020176489A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2020019682 W 20200225; EP 20713137 A 20200225; JP 2021549573 A 20200225; KR 20217030322 A 20200225