Title (en)

FORMULATION COMPRISING A P-TYPE ORGANIC SEMICONDUCTOR MATERIAL AND AN N-TYPE SEMICONDUCTOR MATERIAL

Title (de)

FORMULIERUNG AUS EINEM ORGANISCHEN HALBLEITERMATERIAL VOM TYP P UND EINEM HALBLEITERMATERIAL VOM TYP N

Title (fr)

FORMULATION COMPRENANT UN MATERIAU SEMICONDUCTEUR ORGANIQUE DE TYPE P ET UN MATERIAU SEMICONDUCTEUR DE TYPE N

Publication

EP 3987588 A1 20220427 (FR)

Application

EP 20733629 A 20200622

Priority

- FR 1906822 A 20190624
- EP 2020067381 W 20200622

Abstract (en)

[origin: WO2020260214A1] The present description relates to a formulation comprising a p-type organic semiconductor polymer comprising a conjugated aryl compound, a conjugated heteroaryl compound or a mixture of two or more of these compounds; an n-type semiconductor material comprising fullerene, substituted fullerene or a mixture of two or more of these compounds; and a non-aqueous solvent, wherein the concentration of the p-type organic semiconductor polymer is 4 mg/mL to 8 mg/mL per milliliter of solvent, and the concentration of the n-type organic semiconductor material is 10 mg/mL to 14 mg/mL per milliliter of solvent.

IPC 8 full level

H01L 51/42 (2006.01); **H01L 51/46** (2006.01)

CPC (source: EP KR US)

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