

Title (en)

AMINO SUBSTITUTED PERI-ARYLENE DYE

Title (de)

AMINOSUBSTITUIERTE PERI-ARYLENFARBSTOFFE

Title (fr)

COLORANTS À BASE DE PÉRI-ARYLÈNE À SUBSTITUTION AMINO

Publication

EP 2925817 A2 20151007 (DE)

Application

EP 13811806 A 20131126

Priority

- DE 102012023247 A 20121127
- EP 2013074770 W 20131126

Abstract (en)

[origin: WO2014083011A2] The invention relates to peri-arylene dyes, in particular terrylene- and quaterylene dyes, which support the amino groups. Said compounds can be produced under mild reaction conditions. Based on their absorption spectra, they can be used, amongst other things, in the solar energy field, in particular as sensitizers in dye-sensitized solar cells.

IPC 8 full level

C09B 5/62 (2006.01); **H01L 31/055** (2014.01)

CPC (source: EP)

C07D 471/06 (2013.01); **C07D 471/16** (2013.01); **C09B 5/62** (2013.01); **H10K 85/621** (2023.02); **H01G 9/2031** (2013.01); **H01G 9/2059** (2013.01); **Y02E 10/52** (2013.01); **Y02E 10/542** (2013.01); **Y02E 10/549** (2013.01)

Citation (examination)

- DE 102005021362 A1 20061109 - BASF AG [DE]
- DE 102011018815 A1 20121031 - LANGHALS HEINZ [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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