

Title (en)

HYDROCARBON POLYMERS WITH TWO 2-OXO-1,3-DIOXOLAN-4-CARBOXYLATE END GROUPS

Title (de)

KOHLENWASSERSTOFFPOLYMERE MIT ZWEI 2-OXO-1,3-DIOXOLAN-4-CARBOXYLAT-ENDGRUPPEN

Title (fr)

POLYMÈRES HYDROCARBONÉS À DEUX GROUPEMENTS TERMINAUX 2-OXO-1,3-DIOXOLAN- 4-CARBOXYLATE

Publication

EP 3512898 A1 20190724 (FR)

Application

EP 17780795 A 20170911

Priority

- FR 1658607 A 20160915
- FR 2017052402 W 20170911

Abstract (en)

[origin: WO2018050993A1] 1) Hydrocarbon polymer comprising two 2-oxo-1,3-dioxolan-4-carboxylate end groups of formula (I): - F1 represents a radical of formula (Ma) and F2 represents a radical of formula (Ib): wherein g and d, identical or different, represent a whole number equal to 1, 2 or 3; -R1 to R12 represent a hydrogen atom or an alkyl radical comprising from 1 to 22 carbon atoms; - x and y are whole numbers such that the sum x + y is in a range from 0 to 2; - R13 is an oxygen or sulphur atom, or a divalent radical -Chb; - n1, n2, m, p1 and p2 are a whole number or equal to 0 and such that the molecular mass Mn of the polymer of formula (I) is between 400 and 100,000 g/mol. 2) Method for preparing said polymer by ring-opening polymerisation through metathesis. 3) Use as an adhesive mixed with an amino compound comprising at least two amino groups.

IPC 8 full level

C08G 61/08 (2006.01); **C08G 61/12** (2006.01); **C08G 71/04** (2006.01); **C09J 165/00** (2006.01)

CPC (source: EP US)

C08G 61/08 (2013.01 - EP US); **C08G 61/12** (2013.01 - EP US); **C08G 61/125** (2013.01 - US); **C08G 61/126** (2013.01 - US); **C08G 71/04** (2013.01 - EP US); **C09J 165/00** (2013.01 - EP US); **C09J 175/12** (2013.01 - US); **C08G 2261/126** (2013.01 - EP US); **C08G 2261/1644** (2013.01 - EP US); **C08G 2261/1646** (2013.01 - US); **C08G 2261/3322** (2013.01 - EP US); **C08G 2261/3324** (2013.01 - EP US); **C08G 2261/418** (2013.01 - EP US); **C08G 2261/74** (2013.01 - EP US)

Citation (search report)

See references of WO 2018050993A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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