

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 (IIb): 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)

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

DOCDB simple family (publication)

FR 3055900 A1 20180316; **FR 3055900 B1 20180831**; EP 3512898 A1 20190724; US 2019241700 A1 20190808; WO 2018050993 A1 20180322

DOCDB simple family (application)

FR 1658607 A 20160915; EP 17780795 A 20170911; FR 2017052402 W 20170911; US 201716333286 A 20170911