

Title (en)

LIQUID HYDROCARBON COPOLYMERS HAVING TWO CYCLOCARBONATE ESTER END GROUPS

Title (de)

FLÜSSIGE KOHLENWASSERSTOFFCOPOLYMERE MIT ZWEI CYCLOCARBONATESTERENDGRUPPEN

Title (fr)

COPOLYMERES HYDROCARBONES LIQUIDES A DEUX GROUPEMENTS TERMINAUX ESTER CYCLOCARBONATE

Publication

EP 3688040 A1 20200805 (FR)

Application

EP 18792974 A 20180927

Priority

- FR 1759008 A 20170928
- FR 2018052380 W 20180927

Abstract (en)

[origin: WO2019063945A1] 1) A hydrocarbon copolymer comprising two end groups preceded by an ester function, and selected from a 2-oxo-1,3-dioxolan-4-yl (or cyclocarbonate), a dithiocyclocarbonate, an exo-vinylene cyclocarbonate, or a 2-oxo-1,3-dioxolen-4-yl, the main chain of which comprises units (I) and (II) where R °, in particular, is the methyl radical; and the number average molecular weight Mn of which is between 400 and 100,000 g/mol; 2) a method for producing the aforementioned copolymer, comprising: (i) a step of heating a statistical bipolymer A selected from a poly(butadiene-isoprene), a poly(butadiene-myrcene) and a poly(butadiene-farnesene); followed by (ii) a step of heating the resulting product in the presence of a chain transfer agent; and 3) a use as an adhesive, in a mixture with an amino-functional compound having at least two amino groups.

IPC 8 full level

C08C 19/08 (2006.01); **C08C 19/02** (2006.01); **C08C 19/10** (2006.01); **C08C 19/20** (2006.01); **C08C 19/28** (2006.01); **C08C 19/34** (2006.01); **C08C 19/40** (2006.01); **C08F 236/06** (2006.01); **C08F 236/08** (2006.01); **C08F 236/22** (2006.01); **C08G 61/08** (2006.01); **C08G 71/04** (2006.01); **C09J 5/00** (2006.01); **C09J 165/00** (2006.01); **C09J 175/12** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019063945A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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