

Title (en)

DETERGENT ADDITIVE FOR FUEL, AND COPOLYMERS USABLE IN SAID APPLICATION

Title (de)

REINIGUNGSMITTELADDITIV FÜR KRAFTSTOFF UND IN BESAGTER ANWENDUNG VERWENDBARE COPOLYMERE

Title (fr)

ADDITIF DÉTERGENT POUR CARBURANT ET COPOLYMÈRES UTILISABLES DANS CETTE APPLICATION

Publication

**EP 3394118 A1 20181031 (FR)**

Application

**EP 16826403 A 20161219**

Priority

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- FR 2016053557 W 20161219

Abstract (en)

[origin: CA3007914A1] The invention relates to the use of one or more copolymers as a detergent additive in a liquid fuel for internal combustion engines. The copolymer comprises at least one repeat unit having an ester of alkyl or alkyl ester function and a repeat unit containing a diazotized hydrocarbon group. The invention also relates to specific copolymers comprising at least one repeat unit having an ester function of alkyl or alkyl ester function and a repeat unit containing a triazotized hydrocarbon group.

IPC 8 full level

**C08F 26/00** (2006.01); **C08F 124/00** (2006.01)

CPC (source: EP KR US)

**C08F 210/02** (2013.01 - KR); **C08F 218/08** (2013.01 - KR); **C08F 220/14** (2013.01 - KR US); **C08F 220/18** (2013.01 - KR); **C08F 226/00** (2013.01 - EP US); **C08F 226/02** (2013.01 - KR US); **C08F 299/0492** (2013.01 - KR US); **C10L 1/1983** (2013.01 - KR US); **C10L 1/2366** (2013.01 - US); **C10L 1/2368** (2013.01 - KR); **C10L 10/04** (2013.01 - EP KR US); **C10L 1/236** (2013.01 - EP US); **C10L 1/2368** (2013.01 - EP US); **C10L 2230/08** (2013.01 - KR US)

Citation (search report)

See references of WO 2017109369A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**FR 3045657 A1 20170623**; **FR 3045657 B1 20200911**; BR 112018012817 A2 20181204; CA 3007914 A1 20170629; CN 108431056 A 20180821; EA 201891193 A1 20181228; EP 3394118 A1 20181031; KR 20180094094 A 20180822; MX 2018007643 A 20180921; US 2018371345 A1 20181227; WO 2017109369 A1 20170629; ZA 201804069 B 20190424

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**FR 1563099 A 20151222**; BR 112018012817 A 20161219; CA 3007914 A 20161219; CN 201680075714 A 20161219; EA 201891193 A 20161219; EP 16826403 A 20161219; FR 2016053557 W 20161219; KR 20187020499 A 20161219; MX 2018007643 A 20161219; US 201616065273 A 20161219; ZA 201804069 A 20180618