

Title (en)

COMPOUNDS AND MIXTURES WITH ANTIDEGRADANT AND ANTIFATIGUE EFFICACY AND COMPOSITIONS INCLUDING SAID COMPOUNDS

Title (de)

VERBINDUNGEN UND MISCHUNGEN MIT ABBAU- UND ERMÜDUNGSCHEMMENDER WIRKUNG UND ZUSAMMENSETZUNGEN, EINSCHLIESSLICH DIESER VERBINDUNGEN

Title (fr)

COMPOSÉS ET MÉLANGES PRÉSENTANT UN EFFET PROTECTEUR ET UNE EFFICACITÉ ANTIFATIGUE, ET COMPOSITIONS COMPRENANT LESDITS COMPOSÉS

Publication

**EP 3634941 A1 20200415 (EN)**

Application

**EP 18733019 A 20180517**

Priority

- US 201715618281 A 20170609
- US 2018033101 W 20180517

Abstract (en)

[origin: WO2018226373A1] A compound represented by the formula: (I) wherein each R is independently selected from the group consisting of (i) substituted or unsubstituted alkyl with C = 0 to 12 inclusive; wherein X1, X2, X3 and X4 are each independently selected from the group consisting of alkyl, aryl, alkylaryl groups and hydrogen; wherein R1, R2, R3, and R4 are each independently selected from the group consisting of alkyl, aryl, alkylaryl groups and hydrogen; and wherein one of R1 and R2 and one of R3 and R4 may optionally be bridged by a polymethylene group to form a cycloalkyl; wherein when C=0 in R, the combined group R1 R2 is the same as the combined group R3 R4; and wherein when C=1 in R, each of R1, R2, R3, and R4 are hydrogen.

IPC 8 full level

**C07C 211/54** (2006.01); **C08K 5/18** (2006.01)

CPC (source: EP KR)

**C07C 211/54** (2013.01 - EP KR); **C08K 5/18** (2013.01 - EP KR); **C07C 2601/04** (2017.04 - EP KR); **C07C 2601/08** (2017.04 - EP KR); **C07C 2601/14** (2017.04 - EP KR)

Citation (search report)

See references of WO 2018226373A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018226373 A1 20181213**; **WO 2018226373 A8 20190103**; CN 110691769 A 20200114; CN 110691769 B 20230310; EP 3634941 A1 20200415; JP 2020523333 A 20200806; KR 20200017463 A 20200218

DOCDB simple family (application)

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