

Title (en)

USE OF SPECIFIC COPOLYMERS FOR IMPROVING THE COLD PROPERTIES OF FUELS OR COMBUSTIBLES

Title (de)

VERWENDUNG SPEZIELLER COPOLYMERE ZUR VERBESSERUNG DER KÄLTEEIGENSCHAFTEN VON KRAFTSTOFFEN ODER BRENNSTOFFEN

Title (fr)

UTILISATION DE COPOLYMÈRES SPÉCIFIQUES POUR AMÉLIORER LES PROPRIÉTÉS À FROID DE CARBURANTS OU COMBUSTIBLES

Publication

EP 3844250 A1 20210707 (FR)

Application

EP 19755939 A 20190823

Priority

- FR 1857716 A 20180828
- EP 2019072598 W 20190823

Abstract (en)

[origin: WO2020043618A1] The subject matter of the present invention is the use, for improving the cold-resistance properties of a fuel or combustible composition, of one or more copolymers comprising: - at least one unit of formula (I): in which R1 is a hydrogen atom or a methyl group; X is -O-CO-, or -CO-O- or -NH-CO- or -CO-NH-; R2 is a C6 to C24 alkyl group; and at least one unit of formula (II): in which R is a substituted or unsubstituted imidazole ring. The invention also relates to compositions of additives containing such a polymer, and also fuel or combustible compositions to which such polymers have been added, preferably in combination with a cold flow improver (CFI) additive or a paraffin anti-settling additive (WASA).

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/197** (2006.01); **C10L 1/236** (2006.01); **C10L 10/14** (2006.01); **C10L 10/16** (2006.01)

CPC (source: EP US)

C10L 1/146 (2013.01 - EP US); **C10L 1/2368** (2013.01 - EP); **C10L 10/14** (2013.01 - EP); **C10L 10/16** (2013.01 - EP US); **C10L 1/1973** (2013.01 - EP); **C10L 2200/0446** (2013.01 - EP US); **C10L 2200/0476** (2013.01 - US)

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)

WO 2020043618 A1 20200305; EP 3844250 A1 20210707; EP 3844250 B1 20240403; FR 3085384 A1 20200306; FR 3085384 B1 20210528; PL 3844250 T3 20240729; US 2021348073 A1 20211111

DOCDB simple family (application)

EP 2019072598 W 20190823; EP 19755939 A 20190823; FR 1857716 A 20180828; PL 19755939 T 20190823; US 201917272049 A 20190823