

Title (en)

USE OF SPECIFIC VOLATILE FATTY ESTERS IN PETROL ENGINES IN ORDER TO REDUCE EMISSIONS

Title (de)

VERWENDUNG VON SPEZIFISCHEN FLÜCHTIGEN FETTSÄUREESTERN IN BENZINMOTOREN ZUR EMISSIONSVERRINGERUNG

Title (fr)

UTILISATION D'ESTERS GRAS VOLATILS PARTICULIERS DANS DES MOTEURS A ESSENCE POUR REDUIRE LES EMISSIONS

Publication

EP 3830226 A1 20210609 (FR)

Application

EP 19755288 A 20190726

Priority

- FR 1870872 A 20180727
- EP 2019070191 W 20190726

Abstract (en)

[origin: WO2020021070A1] The invention relates to the use of esters of volatile fatty acids, such esters having a number of carbon atoms between 4 and 8, in a fuel for a petrol engine in order to reduce the emissions of nitrogen oxides, unburned hydrocarbons and particles of petrol engines.

IPC 8 full level

C10L 1/19 (2006.01); **C10L 1/02** (2006.01); **C10L 10/02** (2006.01); **C10L 10/10** (2006.01)

CPC (source: EP US)

C10G 29/22 (2013.01 - EP); **C10L 1/023** (2013.01 - EP); **C10L 1/19** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US);
C10L 10/10 (2013.01 - EP); **C10L 2200/0254** (2013.01 - US); **C10L 2200/0423** (2013.01 - EP US); **C10L 2200/0476** (2013.01 - US);
C10L 2270/023 (2013.01 - EP US)

Citation (search report)

See references of WO 2020021070A1

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 2020021070 A1 20200130; BR 112021001413 A2 20210427; CA 3107558 A1 20200130; CN 112639059 A 20210409;
EP 3830226 A1 20210609; FR 3084373 A1 20200131; FR 3084373 B1 20201009; US 2021163838 A1 20210603

DOCDB simple family (application)

EP 2019070191 W 20190726; BR 112021001413 A 20190726; CA 3107558 A 20190726; CN 201980049935 A 20190726;
EP 19755288 A 20190726; FR 1870872 A 20180727; US 201917263474 A 20190726