

Title (en)

Tertiobutyl hydroperoxide (TBHP) as a diesel additive

Title (de)

Tert.-Butylhydroperoxid (TBHP) als Dieseladditiv

Title (fr)

Hydropéroxyde de tertiobutyle (TBHP) comme additif diesel

Publication

**EP 2594623 A1 20130522 (DE)**

Application

**EP 11189416 A 20111116**

Priority

EP 11189416 A 20111116

Abstract (en)

Fuel comprises tert-butyl hydroperoxide (TBHP) as an additive. An independent claim is included for the fuel additive comprising TBHP.

Abstract (de)

Die vorliegende Erfindung betrifft die Verwendung von TBHP als Kraftstoffadditiv und insbesondere als Additiv zu Dieselmotorkraftstoff.

IPC 8 full level

**C10L 1/18** (2006.01); **C10L 10/02** (2006.01); **C10L 10/12** (2006.01)

CPC (source: EP US)

**C10L 1/14** (2013.01 - EP US); **C10L 1/18** (2013.01 - EP US); **C10L 1/1811** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US); **C10L 10/12** (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **C10L 1/231** (2013.01 - EP US); **C10L 2270/026** (2013.01 - EP US); **C10L 2300/20** (2013.01 - EP US)

C-Set (source: US)

1. **C10L 1/1811** + **C10L 2300/20**
2. **C10L 1/1811** + **C10L 1/1824**
3. **C10L 1/1811** + **C10L 1/231**

Citation (applicant)

US 2763537 A 19560918 - BARUSCH MAURICE R, et al

Citation (search report)

- [XY] WO 9921942 A1 19990506 - SANDERS JAMES KENNETH [US], et al
- [XY] DE 2855860 A1 19791220 - PEROXIDOS ORGANICOS S A
- [X] US 2010088949 A1 20100415 - REED KENNETH [US]
- [X] US 2912313 A 19591110 - HINKAMP JAMES B, et al
- [X] WO 9324593 A1 19931209 - GREENBRANCH ENTERPRISES INC [US]
- [XD] US 2763537 A 19560918 - BARUSCH MAURICE R, et al
- [X] US 4104036 A 19780801 - CHAO TAI S, et al
- [X] US 4294999 A 19811013 - GRANE HENRY R, et al
- [X] WO 9407854 A1 19940414 - PEROXID CHEMIE GMBH [DE], et al
- [X] DATABASE WPI Section Ch Week 200748, 2007 Derwent World Patents Index; Class H06, AN 2007-483086, XP002674676, HE H ET AL.: "Fuel additive for homogeneous premixed compression ignition engine."

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)

**EP 2594623 A1 20130522**; CN 103998582 A 20140820; CN 103998582 B 20160518; EP 2780435 A1 20140924; EP 2780435 B1 20210324; ES 2864214 T3 20211013; IN 1024KON2014 A 20151009; MX 2014005821 A 20141024; US 2014311019 A1 20141023; US 9303224 B2 20160405; WO 2013072478 A1 20130523; ZA 201403247 B 20150930

DOCDB simple family (application)

**EP 11189416 A 20111116**; CN 201280056319 A 20121116; EP 12784622 A 20121116; EP 2012072877 W 20121116; ES 12784622 T 20121116; IN 1024KON2014 A 20140515; MX 2014005821 A 20121116; US 201214358831 A 20121116; ZA 201403247 A 20140506