

Title (en)

PROCESS FOR OBTAINING A COMBUSTIBLE FOR MIXING WITH OTHER COMBUSTIBLES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BRENNSTOFFS ZUM MISCHEN MIT ANDEREN BRENNSTOFFEN

Title (fr)

PROCÉDÉ D'OBTENTION D'UN COMBUSTIBLE À MÉLANGER À D'AUTRES COMBUSTIBLES

Publication

EP 2791289 A1 20141022 (EN)

Application

EP 12816330 A 20121205

Priority

- PT 10605911 A 20111215
- IB 2012002605 W 20121205

Abstract (en)

[origin: WO2013088218A1] Process for obtaining a reagent combustible for mixing with other combustibles comprising a bio-combustible or an additive related to the field of bi-combustible chemistry and unlikely the bi-combustible and additives found in the market does not become degraded itself and does not degrade the motor components; further, it is a universal combustible or additive, that is, it can mixed with any other combustible either biological, fossil and mineral. Said combustible or said additive for use with explosion motors is produced from sunflower refined oil or any other type of vegetal or seaweed oil preferably without conservatives and uses as reagents the following components: ethyl alcohol 96° GL (93,8° INPM) or 95,3° GL (92,8° INPM), ethyl alcohol 77° GL (70° INPM), sodium hydroxide NaOH (97%), boric acid H3B03 (99,7% min.), hydrochloric acid HCL, purified or distilled water. The process uses the following reagents generally referred to as reagent RI Ethyl alcohol 70° INPM(77° GL 286g (two hundred eighty-six grams) with a variation of 30% (thirty percent) upper or lower and NaOH and so on as described in the patent application specification.

IPC 8 full level

C10L 1/02 (2006.01)

CPC (source: EP US)

C10L 1/026 (2013.01 - EP US); **C10L 1/1225** (2013.01 - US); **C10L 1/1233** (2013.01 - US); **C10L 1/1291** (2013.01 - US); **C10L 1/1824** (2013.01 - US); **C10L 1/19** (2013.01 - EP US); **C10L 2290/08** (2013.01 - EP US); **C10L 2290/24** (2013.01 - EP US); **C10L 2290/54** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2013088218A1

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

DOCDB simple family (publication)

WO 2013088218 A1 20130620; BR 112014018282 A2 20190924; EP 2791289 A1 20141022; PT 106059 A 20130617; US 2014290129 A1 20141002

DOCDB simple family (application)

IB 2012002605 W 20121205; BR 112014018282 A 20121205; EP 12816330 A 20121205; PT 10605911 A 20111215; US 201414304584 A 20140613