

Title (en)

EF

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES EMULGIERTEN BRENNSTOFFES UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE PREPARATION D'UN COMBUSTIBLE EMULSIONNE ET SON DISPOSITIF DE MISE EN OEUVRE

Publication

**EP 1051464 A1 20001115 (FR)**

Application

**EP 99958271 A 19991208**

Priority

- FR 9903055 W 19991208
- FR 9815625 A 19981208

Abstract (en)

[origin: US6589301B1] A process and apparatus for industrial-scale preparation of an emulsified fuel including a water phase in a continuous organic phase which contains less than 20% by volume of water, and at least one additive necessary for forming the emulsified fuel. The fuel is formed by mixing and homogenizing the organic phase and the additives, forming a volume V, inside an homogenization tank with internal circulation rate Qc, such that  $Qc/V \geq 100 \text{ h}^{-1}$ , circulating the homogenized fluid in a branch loop emerging from the tank at a rate Qcirc, and through at least one emulsifying system located on said loop, at a rate such that  $0 \text{ h} < V/Q_{\text{circ}} \leq 2 \text{ h}$ , feeding the aqueous phase into the branch loop upstream of the emulsifying system, and maintaining the homogenization in the tank and the circulation of the liquid in the branch loop until the emulsion acquires a desired characteristic of storage stability.

IPC 1-7

**C10L 1/32**; **B01F 5/10**

IPC 8 full level

**C10L 1/32** (2006.01); **G01R 1/38** (2006.01); **G01R 15/00** (2006.01); **G01R 15/18** (2006.01); **G01R 1/22** (2006.01)

CPC (source: EP KR US)

**B01F 25/53** (2022.01 - EP US); **C10L 1/32** (2013.01 - KR); **C10L 1/328** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6589301 B1 20030708**; AT E269892 T1 20040715; AU 1567500 A 20000626; AU 761001 B2 20030529; BR 9907726 A 20001017; CA 2320342 A1 20000615; CA 2320342 C 20090203; CN 1224680 C 20051026; CN 1290292 A 20010404; DE 69918269 D1 20040729; DE 69918269 T2 20050804; DK 1051464 T3 20041101; EP 1051464 A1 20001115; EP 1051464 B1 20040623; ES 2224721 T3 20050301; FR 2786780 A1 20000609; FR 2786780 B1 20010302; HU P0103523 A2 20020128; HU P0103523 A3 20020429; JP 2002531685 A 20020924; KR 100632753 B1 20061011; KR 20010040739 A 20010515; MX PA00007747 A 20021023; PL 190169 B1 20051130; PL 343118 A1 20010730; PT 1051464 E 20041130; RU 2227155 C2 20040420; TR 200002295 T1 20010321; WO 0034419 A1 20000615

DOCDB simple family (application)

**US 60017101 A 20010305**; AT 99958271 T 19991208; AU 1567500 A 19991208; BR 9907726 A 19991208; CA 2320342 A 19991208; CN 99802780 A 19991208; DE 69918269 T 19991208; DK 99958271 T 19991208; EP 99958271 A 19991208; ES 99958271 T 19991208; FR 9815625 A 19981208; FR 9903055 W 19991208; HU P0103523 A 19991208; JP 2000586854 A 19991208; KR 20007008623 A 20000807; MX PA00007747 A 19991208; PL 34311899 A 19991208; PT 99958271 T 19991208; RU 2000120953 A 19991208; TR 200002295 T 19991208