

Title (en)
METHOD FOR PREPARING A BIOFUEL, BIOFUEL THUS PREPARED, AND HEAT PRODUCTION EQUIPMENT AND SYSTEM USING SUCH BIOFUEL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES BIOBRENNSTOFFS, DARAUS HERGESTELLTE BIOBRENNSTOFF UND WÄRMEHERSTELLUNGSGERÄT UND SYSTEM ZUR VERWENDUNG VON DEM BIOBRENNSTOFF

Title (fr)
PROCEDE DE PREPARATION D'UN BIOCOMBUSTIBLE, BIOCOMBUSTIBLE AINSI PREPARE ET SYSTEME DE PRODUCTION DE CHALEUR METTANT EN OEUVRE UN TEL BIOCOMBUSTIBLE

Publication
EP 2115103 A2 20091111 (FR)

Application
EP 08761824 A 20080131

Priority

- FR 2008000116 W 20080131
- FR 0700693 A 20070131

Abstract (en)
[origin: FR2911880A1] Producing a biofuel in the form of a water-in-oil emulsion comprises mixing a lipid material and water in the presence of a lipid-soluble surfactant (I) with a hydrophilic-lipophilic balance (HLB) of 12-15 and a water-soluble surfactant (II) with a HLB of less than 6. Independent claims are also included for: (1) apparatus for producing a biofuel as above, comprising a heated first mixer for receiving the lipid material and (I), a second mix for receiving water and (II), and a third mixer for receiving the contents of the first and second mixers; (2) heating system comprising apparatus as above connected directly to a combustion system.

IPC 8 full level
C10L 1/32 (2006.01); **B01F 3/08** (2006.01); **B01F 13/10** (2006.01); **B01F 15/06** (2006.01)

CPC (source: EP)
B01F 33/821 (2022.01); **C10L 1/328** (2013.01); **B01F 23/40** (2022.01); **B01F 33/82** (2022.01)

Citation (search report)
See references of WO 2008110688A2

Citation (examination)

- WO 2007127059 A2 20071108 - H2DIESEL INC [US], et al
- EP 1498472 A2 20050119 - KOYO SEIKO CO [JP], et al
- US 2005043190 A1 20050224 - KOMIYA HIROSHI [JP], et al

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