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
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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 $Qc/V >= 100$ 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 h$< V/Qcirc <= 2$ 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)

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