

Title (en)

METHOD OF INCORPORATING ALCOHOL INTO FUELS HAVING A HIGH CONTENT OF AROMATIC COMPOUNDS

Title (de)

VERFAHREN ZUR EINSPRITZUNG VON ALKOHOL IN BRENNSTOFFE MIT HOHEM ANTEIL AROMATISCHER VERBINDUNGEN

Title (fr)

PROCÉDÉ D'INCORPORATION D'ALCOOL DANS DES CARBURANTS A FORTE TENEUR EN COMPOSÉS AROMATIQUES

Publication

EP 2162397 A2 20100317 (FR)

Application

EP 08826738 A 20080626

Priority

- FR 2008000911 W 20080626
- FR 0704673 A 20070627

Abstract (en)

[origin: WO2009016290A2] The method makes it possible to incorporate an alcohol or a mixture of alcohols into fuels by minimizing the energy expenditure linked to the prior production of the alcohol or of the mixture of alcohols. Use is made of one or more bases of the fuel, optionally with the addition of an oxygenated compound or of a mixture of oxygenated compounds, to extract the alcohol or the mixture of alcohols contained in aqueous solutions produced by biomass fermentation processes. After adjustment of the temperature of the stream of aqueous solution and of the stream containing one or more bases of the fuel through exchangers, these streams are introduced into an extractor. The extract leaving the extractor is then dried and/or supplemented by an oxygenated compound or a mixture of oxygenated compounds. The raffinate leaving the extractor is sent towards a water treatment or recycled. The stream of fuel that has been dried and optionally supplemented by an oxygenated compound or a mixture of oxygenated compounds containing the alcohol or the mixture of alcohols is sent to be stored. The water leaving the drying step is sent to a water treatment or recycled.

IPC 8 full level

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CPC (source: EP US)

C10L 1/026 (2013.01 - EP US); **C10L 1/04** (2013.01 - EP US); **C10L 1/06** (2013.01 - EP US); **C10L 1/08** (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **C10L 1/1857** (2013.01 - EP US)

Citation (search report)

See references of WO 2009016290A2

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