

Title (en)

METHOD FOR PREPARING AN ETHANOL FUEL COMPOSITION

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ETHANOLBRENNSTOFFZUSAMMENSETZUNG

Title (fr)

PROCÉDÉ POUR PRÉPARER UNE COMPOSITION DE CARBURANT À L'ÉTHANOL

Publication

**EP 3068524 A4 20170628 (EN)**

Application

**EP 14862717 A 20141106**

Priority

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Abstract (en)

[origin: WO2015072911A1] The invention relates to a method for preparing an ethanol fuel composition, comprising the following steps: a) providing a first amount of ethanol to a vessel b) addition of an amount of ethoxylated oleyl amine and an amount of ignition improver to the ethanol provided in step a) such that a first mixture is obtained wherein: the concentration of ethanol in the first mixture is 35-55 % (w/w); the ratio (w/w) of ethoxylated oleyl amine to ethanol in the first mixture is in the range 1:4 – 1:15, preferably in the range 1:6 – 1:10, and the ratio (w/w) of ignition improver to ethanol in the first mixture is in the range 1:1 – 1:3, preferably in the range 1:1.2 – 1:2 c) blending the first mixture by using vertical circulation and/or stirring such that a blended first mixture is obtained; d) combining the blended first mixture obtained in step c) with a second amount of ethanol such that a second mixture is obtained; e) blending of the second mixture obtained in step d) to obtain the ethanol fuel wherein the ethanol fuel obtained in step e) comprises: 20-80-90 % (w/w), preferably 84-88 % (w/w) ethanol 0.1-2 % (w/w), preferably 0.5-1.5 % (w/w) ethoxylated oleyl amine 3-10 % (w/w), preferably 4-6 % (w/w) ignition improver and wherein the ignition improver added in step b) is a water soluble adduct of 25 polyol having 3-10 hydroxyl groups and ethylene oxide and/or propylene oxide and wherein the molecular weight of the adduct is 350 to 2000 Da, preferably 600-1000 Da;

IPC 8 full level

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- [I] WO 2012047157 A1 20120412 - SCANIA CV AB [SE], et al
- See references of WO 2015072911A1

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