

Title (en)

PROCESS FOR THE PRODUCTION OF BIODEGRADABLE HYDROCARBON FLUIDS BASED ON SYNGAS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BIOLOGISCH ABBAUBAREN KOHLENWASSERSTOFFFLÜSSIGKEITEN AUF BASIS VON SYNGAS

Title (fr)

PROCÉDÉ DE PRODUCTION DE FLUIDES D'HYDROCARBURES BIODÉGRADABLES À BASE DE GAZ DE SYNTHÈSE

Publication

EP 3298109 A1 20180328 (EN)

Application

EP 16724883 A 20160520

Priority

- EP 15168548 A 20150520
- EP 2016061507 W 20160520

Abstract (en)

[origin: EP3095842A1] The invention provides for a fluid having a boiling point in the range of from 100 to 400°C and comprising more than 90% isoparaffins and containing less than 300ppm aromatics, obtainable by the process comprising the step of catalytically hydrogenating a feed comprising more than 95% by weight of a feedstock originating from syngas, at a temperature from 80 to 180°C and at a pressure from 50 to 160 bars. The invention also provides for a fluid having a boiling point in the range of from 100 to 400°C and a boiling range below 80°C, said fluid comprising more than 90% isoparaffins and less than 3% of naphthens and having a ratio of iso-paraffins to n-paraffins of at least 12:1, a biodegradability at 28 days of at least 60%, a biocarbon content of at least 95%, and containing less than 100ppm aromatics. The invention finally provides for uses of the fluid.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2016185048A1

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