

Title (en)

PROCESS AND INSTALLATION FOR PRODUCING LIQUID FUELS AND RAW CHEMICALS.

Title (de)

VERFAHREN UND ANLAGE ZUR ERZEUGUNG VON FLÜSSIGEN KRAFTSTOFFEN UND CHEMIEUROHSTOFFEN.

Title (fr)

PROCEDE ET INSTALLATION DE PRODUCTION DE CARBURANTS LIQUIDES ET DE MATIERES PREMIERES CHIMIQUES.

Publication

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Application

EP 91918850 A 19911030

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Abstract (en)

[origin: US5670703A] PCT No. PCT/DE91/00851 Sec. 371 Date May 10, 1993 Sec. 102(e) Date May 10, 1993 PCT Filed Oct. 30, 1991 PCT Pub. No. WO92/07921 PCT Pub. Date May 14, 1992The invention is directed to a process and an installation for the production of liquid fuels and raw chemicals from crude petroleum within the framework of a refinery process with process steps for distillation, thermal and/or catalytic cracking, and possibly reformation. The refinery process is directly supplemented by various process steps, i.e. a partial flow of the C4 components together with a flow of methanol or ethanol is subjected to a catalytic reaction, the unconverted n-butane-containing portion of the components is subjected to isomerization, a part of the isobutane is subjected to a thermal cracking process, and finally the product flow emerging therefrom is guided back, in its entirety or in part, into the fractionation stage for splitting.

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