

Title (en)

A METHOD OF CONVERTING ORGANIC WASTES INTO FUELS

Title (de)

VERFAHREN ZUR UMWANDLUNG VON ORGANISCHEN ABFÄLLEN IN BRENNSTOFFE

Title (fr)

PROCÉDÉ DE CONVERSION DE DÉCHETS ORGANIQUES EN CARBURANTS

Publication

EP 1969096 A1 20080917 (EN)

Application

EP 06701858 A 20060117

Priority

- BG 2006000002 W 20060117
- BG 10924505 A 20050729

Abstract (en)

[origin: WO2007012149A1] The method is applicable to the utilization of organic wastes through their gasification into synthesis gas with subsequent catalytic conversion of synthesis gas obtained into liquid synthetic motor fuels and (or) valuable chemical products. The method includes a stage of treatment of the wastes with gasifying agent containing oxygen, water vapor and (or) carbon dioxide, at which synthesis gas is obtained, which is subsequently compressed, subject to deep purification from mechanical impurities and compounds of sulphur, nitrogen and heavy metals. Then synthesis gas or synthesis gas mixed with liquid organic wastes is fed into a reactor for synthesis of hydrocarbons and converted into liquid motor fuels and components of basic oils with help of a polyfunctional catalyst.

IPC 8 full level

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