

Title (en)
METHOD AND INSTALLATION FOR THE PRODUCTION OF HYDROCARBONS

Title (de)
VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON KOHLENWASSERSTOFFEN

Title (fr)
PROCÉDÉ ET INSTALLATION POUR LA PRODUCTION D'HYDROCARBURES

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Application
EP 15766101 A 20150911

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Abstract (en)
[origin: CA2959460A1] The invention relates to a method for producing hydrocarbons in which, in a catalysis unit (1) and using one or more catalysis input streams (a) containing oxygenates and/or olefins, a catalysis product stream (b) is produced that is rich in n-butane, isobutane, 1-butene, 2-butene, isobutene and hydrocarbons having more than four and/or less than four carbon atoms, and in which, in a steam cracking unit (2) and using one or more steam cracking input streams (g, r, s), a steam cracking product stream (h) is also produced. According to the invention, a skeletal isomerisation input stream (f, q) which is low in 1-butene, 2-butene and isobutene but contains at least isobutane is produced using said catalysis product stream (b), at least the majority of the isobutane being reacted by means of skeletal isomerisation in said skeletal isomerisation input stream so as to obtain n-butane, and this skeletal isomerisation input stream subsequently being used, at least in part, as the or one of the steam cracking input streams (g, r). The invention also relates to an installation (100, 200).

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