

Title (en)

PROCESS FOR PRODUCING BTX AND LPG

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BTX UND LPG

Title (fr)

PROCÉDÉ DE PRODUCTION DE GAZ DE PÉTROLE LIQUÉFIÉ (GPL) ET BTX

Publication

EP 3167027 A1 20170517 (EN)

Application

EP 15732744 A 20150706

Priority

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- EP 2015065276 W 20150706

Abstract (en)

[origin: WO2016005297A1] The invention is directed to a process for producing BTX and LPG, comprising: a) contacting a feed stream comprising C5-C12 hydrocarbons in the presence of hydrogen with a hydrocracking catalyst in a hydrocracking reactor to produce a hydrocracking product stream comprising hydrogen, methane, LPG and BTX, b) separating the hydrocracking product stream into a first gas stream and a first liquid stream, c) separating the first gas stream to obtain a second gas stream comprising hydrogen and methane and a second liquid stream comprising LPG and BTX, wherein the separation is performed such that the second liquid stream is substantially free of hydrogen and methane, d) separating the second liquid stream into a third gas stream comprising LPG and a third liquid stream comprising BTX, wherein step (c) involves adding a part of the third liquid stream to the first gas stream to absorb the LPG in the first gas stream to obtain the second liquid stream or adding a part of the third liquid stream to a gas stream separated from the first gas stream to absorb the LPG in said gas stream separated from the first gas stream to obtain the second liquid stream.

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (search report)

See references of WO 2016005297A1

Cited by

CN108641769A

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Designated extension state (EPC)

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DOCDB simple family (publication)

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