

Title (en)
OLEFIN PRODUCTION PROCESS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON OLEFINEN

Title (fr)
PROCÉDÉ DE PRODUCTION D'OLÉFINES

Publication
EP 3102655 A1 20161214 (DE)

Application
EP 15704977 A 20150206

Priority
• DE 102014001652 A 20140206
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• EP 2015052514 W 20150206

Abstract (en)
[origin: WO2015118108A1] A process (100) for obtaining olefins is proposed in which a first gas mixture (b), generated by a steam cracking process (1), is used at least partly to form a first separation feed (f) which comprises hydrocarbons having one to five carbon atoms, and from which at least a first separation product (g) and a second separation product (h, o) are produced, the first separation product (g) comprising at least the predominant fraction of the one- and two-carbon-atom hydrocarbons present in the first separation feed (f), and the second separation product (h, o) comprising at least the predominant fraction of the four- and five-carbon-atom hydrocarbons present in the first separation feed (f), and in which a second gas mixture (r), generated by an oxygenate-to-olefin process (2), is used at least partly to form a second separation feed (t) which comprises hydrocarbons having one to five carbon atoms, and from which at least a third separation product (e, y) and a fourth separation product (l, z) are produced, the third separation product (e, y) comprising at least the predominant fraction of the one- and two-carbon-atom hydrocarbons present in the second separation feed (t), and the fourth separation product (l, z) comprising at least the predominant fraction of the four- and five-carbon-atom hydrocarbons present in the second separation feed (t). The third separation product (e, y) is likewise used at least partly to form the first separation feed (f), and from at least part of the fourth (l, z) and second (h, o) separation products a third separation feed (h, l)(o, z) is formed and is subjected to a separation (14).

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CPC (source: EP US)
B01D 3/143 (2013.01 - EP US); **C07C 1/20** (2013.01 - EP US); **C07C 7/005** (2013.01 - EP US); **C07C 7/04** (2013.01 - EP US); **C07C 7/163** (2013.01 - US); **C10G 3/00** (2013.01 - EP US); **C10G 9/36** (2013.01 - EP US); **C10G 45/32** (2013.01 - EP US); **C10G 69/02** (2013.01 - EP US); **C10G 69/06** (2013.01 - EP US); **C10G 2400/20** (2013.01 - EP US); **C10G 2400/22** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)
See references of WO 2015118108A1

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Designated extension state (EPC)
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