

Title (en)

PROCESS FOR THE PREPARATION OF OLEFINIC UNSATURATED ALIPHATIC OR CYCLOALIPHATIC HYDROCARBONS

Publication

EP 0000054 B1 19801029 (DE)

Application

EP 78100096 A 19780606

Priority

DE 2726106 A 19770610

Abstract (en)

[origin: US4178317A] Olefinically unsaturated aliphatic or cycloaliphatic hydrocarbons are manufactured by bringing alkanecarboxylic acids of 3 to 20 carbon atoms, alkanedicarboxylic acids of 4 to 20 carbon atoms or 5-membered or 6-membered cycloalkanecarboxylic acids or their alkyl, cycloalkyl, aralkyl or phenyl esters, in the gas phase, at from 250 DEG to 800 DEG C., into contact with catalysts in which the active composition consists of boron trioxide, boric acid and/or boron nitride, together with one or more of the oxides of aluminum, silicon, tin, lead, titanium and zirconium.

IPC 1-7

C07C 1/36; **C07C 11/00**; **C07C 13/00**; **C07C 13/20**

IPC 8 full level

C07C 1/20 (2006.01); **B01J 23/00** (2006.01); **B01J 27/00** (2006.01); **C07B 61/00** (2006.01); **C07C 1/00** (2006.01); **C07C 1/207** (2006.01); **C07C 1/213** (2006.01); **C07C 1/36** (2006.01); **C07C 11/00** (2006.01); **C07C 11/02** (2006.01); **C07C 13/00** (2006.01); **C07C 13/20** (2006.01); **C07C 67/00** (2006.01); **C07C 11/10** (2006.01); **C07C 13/12** (2006.01)

CPC (source: EP US)

C07C 1/2078 (2013.01 - EP US); **C07C 1/213** (2013.01 - EP US); **C07C 2521/02** (2013.01 - EP US); **C07C 2521/04** (2013.01 - EP US); **C07C 2521/06** (2013.01 - EP US); **C07C 2521/08** (2013.01 - EP US); **C07C 2523/14** (2013.01 - EP US); **C07C 2527/24** (2013.01 - EP US); **C07C 2601/10** (2017.04 - EP US); **C07C 2601/16** (2017.04 - EP US); **Y02P 20/582** (2015.11 - EP US)

C-Set (source: EP US)

1. **C07C 1/213 + C07C 11/00**
2. **C07C 1/213 + C07C 13/00**
3. **C07C 1/213 + C07C 13/20**

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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