

Title (en)

PRODUCTION OF 3-METHYLBUT-1-EN BY MEANS OF DEHYDRATION OF 3-METHYLBUTANE-1-OL

Title (de)

HERSTELLUNG VON 3-METHYLBUT-1-EN DURCH DEHYDRATISIERUNG VON 3-METHYLBUTAN-1-OL

Title (fr)

PRODUCTION DE 3-MÉTHYLBUT-1-ÈNE PAR DÉSHYDRATATION DE 3-MÉTHYLBUTAN-1-OL

Publication

EP 2435388 A2 20120404 (DE)

Application

EP 10716338 A 20100428

Priority

- EP 2010055670 W 20100428
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Abstract (en)

[origin: WO2010136289A2] The object of the invention is a method for producing 3-methylbut-1-en by means of dehydrating 3-methylbutane-1-ol at an aluminum-containing oxide in a temperature range of 200 to 450°C in the gaseous or liquid/gaseous mixture phase, characterized by an aluminum-containing oxide having mostly mesoporous pore structure is being used, which: a) relative ratio of macropores is less than 15%; b) contribution of the pore diameter has a monomodal maximum in the region of the mesopores of 3.6 to 50 nm; c) average pore diameter of all pores in the region of the meso- and macropores ranges from 5 to 20 nm; d) composition consists of gamma-aluminum oxide of more than 80%.

IPC 8 full level

C07C 1/24 (2006.01); **C07C 11/10** (2006.01)

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C-Set (source: EP US)

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