

Title (en)

METHOD FOR THE HYDRODECOMPOSITION OF AMMONIUM FORMATES IN POLYOL-CONTAINING REACTION MIXTURES

Title (de)

VERFAHREN ZUR HYDRIERENDEN ZERSETZUNG VON AMMONIUMFORMIATEN IN POLYOLHALTIGEN REAKTIONSGEMISCHEN

Title (fr)

PROCEDE D'HYDRODECOMPOSITION DE FORMIATES D'AMMONIUM DANS DES MELANGES REACTIONNELS CONTENANT DU POLYOL

Publication

**EP 1651586 A1 20060503 (DE)**

Application

**EP 04740714 A 20040707**

Priority

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- DE 10334489 A 20030729

Abstract (en)

[origin: DE10334489A1] Removal of trialkylammonium formates (TAAF) from methylolalkanes obtained by condensation of formaldehyde with higher aldehydes involves decomposing the TAAF at elevated temperature on a titanium dioxide- supported ruthenium-containing catalyst in presence of a hydrogen-containing gas. An independent claim is also included for such a catalyst in which commercially-available titanium dioxide is treated before or after shaping to form the support with 0.1-30 wt.% of an acid in which the TiO<sub>2</sub> is difficultly soluble.

IPC 1-7

**C07C 29/88**; C07C 29/38; B01J 23/46; B01J 21/06

IPC 8 full level

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CPC (source: EP KR)

**B01J 21/063** (2013.01 - EP); **B01J 23/462** (2013.01 - EP); **C07C 29/74** (2013.01 - KR); **C07C 29/88** (2013.01 - EP KR); B01J 35/30 (2024.01 - EP); B01J 35/392 (2024.01 - EP); B01J 35/615 (2024.01 - EP); **B01J 35/633** (2024.01 - EP); **B01J 37/06** (2013.01 - EP); B01J 37/14 (2013.01 - EP); B01J 37/18 (2013.01 - EP)

Citation (search report)

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