

Title (en)

LOW-ALKALI CATALYST MATERIAL AND PROCESS FOR PREPARATION THEREOF

Title (de)

ALKALIARMES KATALYSATORMATERIAL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

MATÉRIAU CATALYTIQUE À FAIBLE TENEUR EN ALCALIS ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 2588230 A2 20130508 (DE)

Application

EP 11813533 A 20110625

Priority

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- DE 2011075150 W 20110625

Abstract (en)

[origin: DE102011051334A1] Catalyst material comprises titanium dioxide-silicon dioxide in a particle form with an alkali content of less than 300 ppm and with a specific surface area of 50-300 m²/g, where the specific surface area is reduced to a maximum of 30%, on heating for 50 hours at 650[deg] C. An independent claim is also included for producing the low-alkali catalyst material comprising reacting a titanium-containing solution where the concentration of dissolved titanium is equivalent to 10-250 g of titanium dioxide per liter of solution, and a low-alkali solution of hydrated precursors of one or more silicon-oxygen-compounds in the presence of ammonia, filtering, washing, subjecting to thermal treatment and drying.

IPC 8 full level

B01J 21/08 (2006.01)

CPC (source: EP US)

B01D 53/8628 (2013.01 - EP US); **B01J 21/063** (2013.01 - EP US); **B01J 21/08** (2013.01 - EP US); **B01J 23/04** (2013.01 - US); **B01J 23/22** (2013.01 - EP US); **B01J 23/30** (2013.01 - EP US); **B01J 35/613** (2024.01 - EP US); **B01J 35/615** (2024.01 - EP US); **B01J 35/633** (2024.01 - EP US); **B01J 35/635** (2024.01 - EP US); **B01J 35/647** (2024.01 - EP US); **B01J 37/0045** (2013.01 - EP US); **B01J 37/031** (2013.01 - EP US); **B01J 37/10** (2013.01 - EP US); **C01G 23/00** (2013.01 - EP US); **B01D 2255/20707** (2013.01 - EP US); **B01D 2255/20723** (2013.01 - EP US); **B01D 2255/20776** (2013.01 - EP US); **B01D 2255/30** (2013.01 - EP US); **B01D 2255/40** (2013.01 - EP US); **B01D 2255/802** (2013.01 - EP US); **B01D 2257/404** (2013.01 - EP US); **B01J 35/39** (2024.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2006/12** (2013.01 - EP US); **C01P 2006/14** (2013.01 - EP US); **C01P 2006/16** (2013.01 - EP US); **C01P 2006/80** (2013.01 - EP US)

Citation (search report)

See references of WO 2012062295A2

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