

Title (en)
CATALYST FOR THE OXIDATION OF SO₂ TO SO₃

Title (de)
KATALYSATOR ZUR OXIDATION VON SO₂ ZU SO₃

Title (fr)
CATALYSEUR D'OXYDATION DE SO₂ EN SO₃

Publication
EP 2558197 A4 20140326 (DE)

Application
EP 11768535 A 20110412

Priority
• EP 10159647 A 20100412
• IB 2011051553 W 20110412
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Abstract (en)
[origin: WO2011128830A1] A catalyst for the oxidation of SO₂ to SO₃, a process for producing it and its use in a process for the oxidation of SO₂ to SO₃ are provided. The catalyst comprises active substance comprising vanadium, alkali metal compounds and sulfate applied to a support comprising naturally occurring diatomaceous earths, wherein the support comprises at least one relatively soft naturally occurring uncalcined diatomaceous earth which has a percentage reduction of at least 35% in its D50 value determined in a particle size determination according to the dry method in comparison with the wet method.

IPC 8 full level
B01J 23/22 (2006.01)

CPC (source: EP KR)
B01D 53/8609 (2013.01 - EP); **B01J 21/08** (2013.01 - EP); **B01J 23/22** (2013.01 - EP KR); **B01J 29/06** (2013.01 - EP); **B01J 35/51** (2024.01 - KR); **B01J 37/20** (2013.01 - EP); **C01B 17/69** (2013.01 - KR); **B01D 2251/102** (2013.01 - EP); **B01D 2255/202** (2013.01 - EP); **B01D 2255/2022** (2013.01 - EP); **B01D 2255/30** (2013.01 - EP); **B01D 2255/9205** (2013.01 - EP); **B01D 2257/302** (2013.01 - EP)

Citation (search report)
• [X] CN 1417110 A 20030514 - NANHUA GROUP INST [CN]
• [X] DE 4000609 A1 19910718 - BASF AG [DE]
• See also references of WO 2011128830A1

Designated contracting state (EPC)
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