

Title (en)  
TEMPERATURE-RESISTANT CATALYST FOR GAS PHASE OXIDATION

Title (de)  
TEMPERATURSTABILER KATALYSATOR FÜR DIE GASPHASENOXIDATION

Title (fr)  
CATALYSEUR STABLE À LA TEMPÉRATURE POUR L'OXYDATION EN PHASE GAZEUSE

Publication  
**EP 2029274 A1 20090304 (DE)**

Application  
**EP 07725054 A 20070510**

Priority  
• EP 2007004132 W 20070510  
• DE 102006024550 A 20060523

Abstract (en)  
[origin: US2007274899A1] Oxidation catalysts which comprise at least one constituent active in the catalysis of oxidation reactions, and a support for said constituent, characterized in that the support includes carbon nanotubes; are disclosed along with processes for their use including the oxidation of hydrogen chloride. Such catalysts can exhibit a higher stability and activity than that of catalysts of the state of the art.

IPC 8 full level  
**B01J 21/18** (2006.01); **B01J 23/16** (2006.01); **B01J 23/38** (2006.01); **B01J 23/46** (2006.01); **B01J 23/70** (2006.01); **B01J 37/03** (2006.01)

CPC (source: EP KR US)  
**B01J 21/18** (2013.01 - KR); **B01J 21/185** (2013.01 - EP US); **B01J 23/16** (2013.01 - EP US); **B01J 23/38** (2013.01 - EP US); **B01J 23/46** (2013.01 - KR); **B01J 23/462** (2013.01 - EP US); **B01J 23/70** (2013.01 - EP US); **B01J 37/031** (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **C01B 7/04** (2013.01 - EP US); **C07B 33/00** (2013.01 - KR); **B82Y 30/00** (2013.01 - KR)

Citation (search report)  
See references of WO 2007134722A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

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AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102006024550 A1 20071129**; CN 101448570 A 20090603; EP 2029274 A1 20090304; JP 2009537312 A 20091029; KR 20090017532 A 20090218; RU 2008150587 A 20100627; RU 2440186 C2 20120120; TW 200803978 A 20080116; US 2007274899 A1 20071129; WO 2007134722 A1 20071129

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**DE 102006024550 A 20060523**; CN 200780018487 A 20070510; EP 07725054 A 20070510; EP 2007004132 W 20070510; JP 2009511363 A 20070510; KR 20087028581 A 20081121; RU 2008150587 A 20070510; TW 96118059 A 20070522; US 75251707 A 20070523