

Title (en)  
CATALYST-COATED SUPPORT, METHOD FOR PRODUCING THE SAME, REACTOR COMPRISING THE SAME AND USE THEREOF

Title (de)  
KATALYTISCH BESCHICHTETER TRÄGER, VERFAHREN ZU DESSEN HERSTELLUNG UND DAMIT AUSGESTATTETER REAKTOR SOWIE  
DESSEN VERWENDUNG

Title (fr)  
SUPPORT A REVETEMENT CATALYTIQUE, PROCEDE POUR SA PRODUCTION, REACTEUR EQUIPE D'UN TEL SUPPORT ET UTILISATION  
D'UN TEL SUPPORT

Publication  
**EP 1874464 A2 20080109 (DE)**

Application  
**EP 06753392 A 20060418**

Priority  
• EP 2006003502 W 20060418  
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Abstract (en)  
[origin: WO2006111340A2] The invention relates to catalyst-coated supports that comprise at least one porous and cavity-including catalyst layer, said cavities having irregular hollow spaces with dimensions of larger than 5 µm in at least two dimensions or with cross-sectional surfaces of at least 10 µm<SUP>2</SUP>. The catalyst coatings are characterized by an excellent adhesive pull strength and can preferably be used in microreactors.

IPC 8 full level  
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**B01J 35/66** (2024.01 - EP KR US); **B01J 37/0215** (2013.01 - EP US); **B01J 37/0217** (2013.01 - EP KR US); **B01J 37/0226** (2013.01 - EP KR US);  
**C07C 51/265** (2013.01 - EP KR US); **C07C 51/313** (2013.01 - EP KR US); **B01J 2219/00783** (2013.01 - EP KR US);  
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Citation (examination)  
H. P. CALIS ET AL: "Zeolites grown on wire gauze: A new structured catalyst packing for dustproof, low pressure drop denox processes",  
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, vol. 73, no. 1, 1 February 1995 (1995-02-01), US, CA, pages 120 - 128, XP055574870,  
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HK 1118247 A1 20090206; IL 186719 A0 20080209; IL 186719 A 20120329; IN 4703CH2007 A 20080111; JP 2008538323 A 20081023;  
JP 5118628 B2 20130116; KR 101317662 B1 20131015; KR 20080011379 A 20080204; MX 2007013167 A 20080409; MX 304721 B 20121030;  
NO 20075977 L 20080118; NZ 562693 A 20110128; RU 2007143305 A 20090527; RU 2424849 C2 20110727; TW 200709852 A 20070316;  
TW I400126 B 20130701; UA 94224 C2 20110426; US 2008286176 A1 20081120; US 2012039775 A1 20120216; US 7981830 B2 20110719;  
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HK 08109715 A 20080902; IL 18671907 A 20071017; IN 4703CH2007 A 20071022; JP 2008506985 A 20060418; KR 20077024256 A 20060418;  
MX 2007013167 A 20060418; NO 20075977 A 20071121; NZ 56269306 A 20060418; RU 2007143305 A 20060418; TW 95114330 A 20060421;  
UA A200711666 A 20060418; US 201113156814 A 20110609; US 91203106 A 20060418; ZA 200708466 A 20071003