

Title (en)
CATALYST-COATED SUPPORT, METHOD FOR THE PRODUCTION THEREOF, A REACTOR EQUIPPED THEREWITH, AND USE THEREOF

Title (de)
KATALYSATORBESCHICHTETER TRÄGER, VERFAHREN ZU DESSEN HERSTELLUNG, EIN DAMIT AUSGESTATTETER REAKTOR UND
DESSEN VERWENDUNG

Title (fr)
SUPPORT REVÊTU D'UN CATALYSEUR, PROCÉDÉ DE FABRICATION, RÉACTEUR DOTÉ D'UN SUPPORT DE CE TYPE ET UTILISATION
ASSOCIÉE

Publication
EP 2448661 A2 20120509 (DE)

Application
EP 10734442 A 20100623

Priority
• EP 2010003770 W 20100623
• DE 102009031305 A 20090630

Abstract (en)
[origin: WO2011000493A2] The invention relates to a catalyst-coated support containing a planar support, a primer layer composed of nanoparticles made of material containing silicon oxide, which primer layer is applied to the planar support, and at least one catalyst layer applied to the primer layer. The applied layers are characterized by an exceptionally good tensile adhesive strength and can be used exceptionally well in heterogeneously catalyzed gas-phase reactions, in particular in microreactors.

IPC 8 full level
B01J 12/00 (2006.01); **B01J 19/00** (2006.01); **B01J 19/24** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2011000493A2

Citation (examination)
• DE 102004016436 B3 20051229 - VER ZUR FOERDERUNG VON INNOVAT [DE]
• EVANS ET AL: "Photoactive and antibacterial TiO₂ thin films on stainless steel", SURFACE AND COATINGS TECHNOLOGY, ELSEVIER BV, AMSTERDAM, NL, vol. 201, no. 22-23, 9 August 2007 (2007-08-09), pages 9319 - 9324, XP022191984, ISSN: 0257-8972, DOI: 10.1016/J.SURFCOAT.2007.04.013

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DOCDB simple family (application)
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