

Title (en)

PROCESS FOR COATING SUPPORT SURFACE WITH POROUS METAL-ORGANIC FRAMEWORK

Title (de)

VERFAHREN ZUM BESCHICHTEN EINER AUFLAGEFLÄCHE MIT EINER PORÖSEN METALLORGANISCHEN STRUKTUR

Title (fr)

PROCÉDÉ DE REVÊTEMENT D'UNE SURFACE DE SUPPORT AVEC UNE STRUCTURE ORGANOMÉTALLIQUE (MOF) POREUSE

Publication

EP 2649081 A1 20131016 (EN)

Application

EP 11847649 A 20111205

Priority

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- EP 11847649 A 20111205

Abstract (en)

[origin: WO2012077030A1] Provided is a process for coating at least part of a surface of a support with a porous metal-organic framework comprising at least one at least bidentate organic compound coordinated to at least one metal ion. The process comprises the following steps: (a) spraying the at least one part of the support surface with a first solution comprising the at least one metal ion; (b) spraying the at least one part of the support surface with a second solution comprising the at least one at least bidentate organic compound; wherein step (b) is carried out before, after or simultaneously with step (a), to form a layer of the porous metal-organic framework.

IPC 8 full level

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CPC (source: EP KR US)

B01D 53/228 (2013.01 - EP); **B01D 67/0079** (2013.01 - EP KR US); **B01D 69/147** (2013.01 - EP); **B01D 69/148** (2013.01 - EP); **B01D 71/022** (2013.01 - EP KR US); **B01J 20/226** (2013.01 - EP); **B01J 20/28023** (2013.01 - EP); **B01J 20/3265** (2013.01 - EP); **C07F 3/02** (2013.01 - KR); **C07F 3/04** (2013.01 - KR); **C07F 3/06** (2013.01 - KR); **C07F 5/06** (2013.01 - KR); **D21H 19/02** (2013.01 - EP); **D21H 19/10** (2013.01 - EP); **D21H 25/00** (2013.01 - EP); **B01D 2253/204** (2013.01 - EP)

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