

Title (en)  
P/METAL-N-C HYBRID CATALYST

Title (de)  
P/METALL-N-C-HYBRIDKATALYSATOR

Title (fr)  
CATALYSEUR HYBRIDE DE TYPE P/METAL-N-C

Publication  
**EP 3347937 A1 20180718 (FR)**

Application  
**EP 16775302 A 20160912**

Priority  
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Abstract (en)  
[origin: WO2017042520A1] The invention concerns a P/Metal-N-C hybrid catalyst that comprises at least one nitrogen-doped carbonaceous matrix onto which at least one non-precious transition metal is covalently bonded and that is characterised in that it further comprises at least one partially oxidised precious transition metal P of which the weight percentage is less than or equal to 4.0%, and preferably less than or equal to 2.0%, relative to the mass of said P/Metal-N-C hybrid catalyst. The invention also concerns an electrochemical device that comprises such a device, for example a fuel cell with a polymer electrolyte membrane.

IPC 8 full level  
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**H01M 4/8652** (2013.01 - EP KR US); **H01M 4/8882** (2013.01 - EP US); **H01M 4/921** (2013.01 - EP KR US); **H01M 4/926** (2013.01 - EP KR US); **H01M 8/10** (2013.01 - US); **H01M 12/06** (2013.01 - KR); **H01M 12/08** (2013.01 - KR); **H01M 2008/1095** (2013.01 - EP KR US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)  
See references of WO 2017042520A1

Cited by  
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Designated extension state (EPC)  
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