

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

- FR 1558452 A 20150911
- FR 2016052289 W 20160912

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
H01M 4/86 (2006.01); **H01M 4/88** (2006.01); **H01M 4/92** (2006.01); **H01M 8/1018** (2016.01)

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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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