Title (en)

HYDROGEN-CATALYST REACTOR

Title (de)

WASSERSTOFF-KATALYSATOR-REAKTOR

Title (fr)

RÉACTEUR À CATALYSEUR D'HYDROGÈNE

Publication

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Application

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Priority

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- US 95682107 P 20070820
- US 95754007 P 20070823
- US 97234207 P 20070914
- US 97419107 P 20070921
- US 97533007 P 20070926
- US 97600407 P 20070928
- US 97843507 P 20071009
- US 98755207 P 20071113
- US 98794607 P 20071114
- US 98967707 P 20071121
- US 99143407 P 20071130
- US 99197407 P 20071203
- US 99260107 P 20071205
- US 1271707 P 20071210
- US 1486007 P 20071219
- US 1679007 P 20071226
- US 2002308 P 20080109
- US 2120508 P 20080115
- US 2180808 P 20080117
- US 2211208 P 20080118
- US 2294908 P 20080123
- US 2329708 P 20080124
- US 2368708 P 20080125
- US 2473008 P 20080130
- US 2552008 P 20080201
- US 2860508 P 20080214
- US 3046808 P 20080221
- US 6445308 P 20080306
- US 6472308 P 20080321
- US 7119108 P 20080417

Abstract (en)

[origin: WO2008134451A1] A power source and hydride reactor is provided comprising a reaction cell for the catalysis of atomic hydrogen to form novel hydrogen species and compositions of matter comprising new forms of hydrogen, a source of atomic hydrogen, a source of a hydrogen catalyst comprising a reaction mixture of at least one reactant comprising the element or elements that form the catalyst and at least one other element, whereby the catalyst is formed from the source and the catalysis of atomic hydrogen releases energy In an amount greater than about 300 kJ per mole of hydrogen during the catalysis of the hydrogen atom.

IPC 8 full level

C01B 3/02 (2006.01)

CPC (source: EP)

C01B 3/02 (2013.01); **F01K 13/00** (2013.01); B01J 31/121 (2013.01); Y02E 60/50 (2013.01)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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