

Title (en)

METAL-CONTAINING, HYDROGEN-STORING MATERIAL AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

METALLHALTIGER, WASSERSTOFFSPEICHERNDER WERKSTOFF UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

MATERIAU METALLIQUE ACCUMULATEUR D'HYDROGENE ET SON PROCEDE DE PRODUCTION

Publication

**EP 1704112 A1 20060927 (DE)**

Application

**EP 04802887 A 20041207**

Priority

- DE 2004002679 W 20041207
- DE 102004002120 A 20040114

Abstract (en)

[origin: WO2005068073A1] The invention relates to a metal-containing, hydrogen-storing material that contains a catalyst for hydrating or dehydrating the same. The catalyst is at least one organic compound. The invention also relates to a method for the production of a metal-containing, hydrogen-storing compound, which is characterised in that the metal-containing material and/or the catalyst, which are in the form of an organic compound, is/are subjected to a mechanical grinding process.

IPC 8 full level

**C01B 3/00** (2006.01); **B01J 31/02** (2006.01)

CPC (source: EP US)

**B01J 31/0212** (2013.01 - EP US); **C01B 3/0078** (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP US)

Citation (search report)

See references of WO 2005068073A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005068073 A1 20050728; WO 2005068073 A8 20060608**; CA 2551754 A1 20050728; DE 102004002120 A1 20050818; EP 1704112 A1 20060927; JP 2007517755 A 20070705; US 2007258848 A1 20071108

DOCDB simple family (application)

**DE 2004002679 W 20041207**; CA 2551754 A 20041207; DE 102004002120 A 20040114; EP 04802887 A 20041207; JP 2006548092 A 20041207; US 58447904 A 20041207