

Title (en)

IRON-CONTAINING OXIDIC MATERIAL SUITABLE FOR USE AS A HYDROGENATION CATALYST PRECURSOR

Title (de)

ALS HYDRIERKATALYSATORVORSTUFE GEEIGNETE UND EISEN ENTHALTENDE OXIDISCHE MASSE

Title (fr)

MASSE D'OXYDATION CONTENANT DU FER, SERVANT DE PRECURSEUR DE CATALYSEUR D'HYDROGENATION

Publication

**EP 1438130 A1 20040721 (DE)**

Application

**EP 02781268 A 20021018**

Priority

- DE 10151558 A 20011023
- EP 0211667 W 20021018

Abstract (en)

[origin: WO03035249A1] The oxidic material suitable for use as a hydrogenation catalyst contains a) bivalent and trivalent iron, the atomic ratio of bivalent iron to trivalent iron ranging from more than 0.5 to 5.5, and b) oxygen as a counter ion to the bivalent and trivalent iron.

IPC 1-7

**B01J 23/745**; **C07C 209/48**

IPC 8 full level

**B01J 37/18** (2006.01); **B01J 23/745** (2006.01); **B01J 23/889** (2006.01); **C07B 61/00** (2006.01); **C07C 209/48** (2006.01); **C07C 211/12** (2006.01)

CPC (source: EP KR US)

**B01J 23/745** (2013.01 - EP KR US)

Citation (search report)

See references of WO 03035249A1

Citation (examination)

- US 3986985 A 19761019 - DEWDNEY THOMAS GORDON, et al
- WO 9811059 A1 19980319 - BASF AG [DE], et al
- "DISCLOSURE NUMBER 41410", RESEARCH DISCLOSURE, no. 414, October 1998 (1998-10-01), pages 1311
- C.A.JACOBSEN: "ENCYCLOPEDIA OF CHEMICAL REACTIONS, VOLUME IV", 1951

Citation (third parties)

Third party :

- US 3986985 A 19761019 - DEWDNEY THOMAS GORDON, et al
- WO 9811059 A1 19980319 - BASF AG [DE], et al
- ANONYMOUS: "Process for the hydrogenation of nitriles", RESEARCH DISCLOSURE, vol. 414, no. 10, October 1998 (1998-10-01), pages 1311, XP000824902
- JACOBSON C.A.: "FeO", ENCYCLOPEDIA OF CHEMICAL REACTIONS, no. IV, 1951, pages 64, XP002987472

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DOCDB simple family (publication)

**WO 03035249 A1 20030501**; **WO 03035249 A8 20030724**; AR 037112 A1 20041020; BR 0213255 A 20040928; CA 2463051 A1 20030501; CN 100494161 C 20090603; CN 1575201 A 20050202; DE 10151558 A1 20030430; EP 1438130 A1 20040721; JP 2005506186 A 20050303; KR 20040045888 A 20040602; MX PA04003122 A 20050125; US 2004254070 A1 20041216; US 7115781 B2 20061003

DOCDB simple family (application)

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