

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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