

Title (en)  
LOW PRESSURE PROCESS FOR MANUFACTURE OF 3-DIMETHYLAMINOPROPYLAMINE (DMAPA)

Title (de)  
NIEDERDRUCKVERFAHREN ZUR HERSTELLUNG VON 3-DIMETHYLAMINOPROPYLAMIN (DMAPA)

Title (fr)  
PROCEDE BASSE PRESSION DE FABRICATION DE 3-DIMETHYLAMINOPROPYLAMINE (DMAPA)

Publication  
**EP 1575897 A4 20070314 (EN)**

Application  
**EP 03799890 A 20031212**

Priority  

- US 0339447 W 20031212
- US 32776502 A 20021223
- US 73173303 A 20031209

Abstract (en)  
[origin: WO2004060853A1] An improved process for the production of 3-dimethylaminopropylamine in high purity from N,N-dimethylaminopropionitrile utilizing a low pressure hydrogenation process is described. The basic process comprises contacting the nitrile with hydrogen at low pressure in the presence of a catalyst under conditions sufficient to effect the conversion of the nitrile to the primary amine product.

IPC 1-7  
**C07C 209/48**

IPC 8 full level  
**C07C 209/48** (2006.01); **C07C 211/11** (2006.01)

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**B01J 23/75** (2013.01 - EP KR); **B01J 23/755** (2013.01 - EP KR); **B01J 25/00** (2013.01 - EP KR); **B01J 25/02** (2013.01 - EP KR); **B01J 25/04** (2013.01 - EP KR); **C07C 209/48** (2013.01 - EP KR); **Y02P 20/584** (2015.11 - EP KR)

Citation (search report)  

- [PX] US 6660887 B1 20031209 - WARD GREGORY J [US], et al
- [DY] US 5869653 A 19990209 - JOHNSON THOMAS ALBERT [US]
- [DY] US 6281388 B1 20010828 - GOODWIN III RALPH T [US], et al
- See references of WO 2004060853A1

Citation (examination)  

- FR 2722784 A1 19960126 - RHONE POULENC CHIMIE [FR]
- FREIDLIN: "Catalytic reduction of dinitriles", RUSSIAN CHEMICAL REVIEWS, vol. 33, no. 6, June 1964 (1964-06-01), pages 319 - 330, XP008063249

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