

Title (en)  
3-AMINOMETHYL-1-CYCLOHEXYLAMINE, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
3-AMINOMETHYL-1-CYCLOHEXYLAMIN UND EIN VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
3-AMINOMÉTHYL-1-CYCLOHEXYLAMINE ET PROCÉDÉ DE PRODUCTION DE CELLE-CI

Publication  
**EP 2310354 A2 20110420 (DE)**

Application  
**EP 09780486 A 20090713**

Priority  

- EP 2009058887 W 20090713
- EP 08161177 A 20080725
- EP 09780486 A 20090713

Abstract (en)  
[origin: WO2010009994A2] The invention relates to 3-aminomethyl-1-cyclohexylamine and a method for the production thereof by a) reacting cyclohexanone with hydrogen cyanide in the presence of a basic catalyst, b) reacting the cyclohexanone nitrile obtained in step a) with ammonia in the presence of an imine-forming catalyst, and c) reacting the reaction mixture that is obtained in step b) and contains 3-cyanocyclohexylimine with hydrogen and ammonia on hydrogenation catalysts. The invention further relates to the use of 3-aminomethyl-1-cyclohexylamine as a curing agent for epoxy resins, as an intermediate product when producing diisocyanates, as an initiator entity when producing polyetherols, and/or as a monomer for producing polyamides.

IPC 8 full level  
**C07C 211/36** (2006.01)

CPC (source: EP US)  
**C07C 211/36** (2013.01 - EP US); **C07B 2200/09** (2013.01 - EP US); **C07C 2601/14** (2017.04 - EP US)

Citation (search report)  
See references of WO 2010009994A2

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

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2010009994 A2 201100128; WO 2010009994 A3 201100325**; CN 102105434 A 20110622; EP 2310354 A2 20110420; JP 2011529027 A 201111201; US 2011124919 A1 20110526

DOCDB simple family (application)  
**EP 2009058887 W 20090713**; CN 200980129126 A 20090713; EP 09780486 A 20090713; JP 2011519115 A 20090713; US 200913055595 A 20090713