

Title (en)
PROCESS FOR PREPARING 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMIN

Title (fr)
PROCÉDÉ DE PRÉPARATION DE 3-AMINOMÉTHYL-3,5,5-TRIMÉTHYLCYCLOHEXYLAMINE

Publication
EP 2649042 A1 20131016 (DE)

Application
EP 11788105 A 20111117

Priority
• DE 102010062594 A 20101208
• EP 2011070389 W 20111117

Abstract (en)
[origin: WO2012076315A1] The invention relates to an improved process for preparing 3-aminomethyl-3,5,5-trimethylcyclohexylamine, referred to hereinafter as isophoronediamine or IPDA for short, by means of catalytic hydrogenation and/or catalytic reductive amination (also referred to as aminating hydrogenation) of 3-cyano-3,5,5-trimethylcyclohexanone, also called isophoronenitrile or IPN for short hereinafter.

IPC 8 full level
C07C 209/48 (2006.01); **C07C 209/52** (2006.01); **C07C 211/36** (2006.01)

CPC (source: EP US)
C07C 209/26 (2013.01 - EP US); **C07C 209/48** (2013.01 - EP US); **C07C 209/52** (2013.01 - EP US); **C07C 2601/14** (2017.04 - EP US)

Citation (search report)
See references of WO 2012076315A1

Cited by
EP3235805A1; EP3248960A1; WO2022175153A1; EP3075721A1; WO2024115263A1; US10343975B2; WO2022253610A1; EP3050870A1; WO2016120235A1; EP3275858A1; US10125089B2; US10392340B2

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102010062594 A1 20120614; **DE 102010062594 B4 20220217**; CN 102531917 A 20120704; CN 103228614 A 20130731; CN 103228614 B 20151021; CN 105198755 A 20151230; CN 105198755 B 20171107; EP 2649042 A1 20131016; HK 1215018 A1 20160812; JP 2014507380 A 20140327; JP 6033231 B2 20161130; US 2013261341 A1 20131003; US 8877976 B2 20141104; WO 2012076315 A1 20120614

DOCDB simple family (application)
DE 102010062594 A 20101208; CN 201010625230 A 20101210; CN 201180058420 A 20111117; CN 201510635078 A 20111117; EP 11788105 A 20111117; EP 2011070389 W 20111117; HK 16102944 A 20160315; JP 2013542447 A 20111117; US 201113885532 A 20111117