

Title (en)
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HEXAMETHYLENDIAMIN (HMD), ADIPONITRIL (ADN), ADIPAMID (ADM) UND DERIVATEN DARAUS

Title (fr)
PROCÉDÉS DE PRODUCTION D'HEXAMÉTHYLÈNEDIAMINE (HMD), D'ADIPONITRILE (ADN), D'ADIPAMIDE (ADM), ET DE LEURS DÉRIVÉS

Publication
EP 2582657 A1 20130424 (EN)

Application
EP 11728461 A 20110610

Priority
• US 35520210 P 20100616
• US 2011039923 W 20110610

Abstract (en)
[origin: WO2011159564A1] Processes include producing hexamethylenediamine (HMD), adiponitrile (ADN), adipamide (ADM) and derivatives thereof from fermentation broths containing diammonium adipate (DAA) monoammonium adipate (MAA) and/or adipic acid (AA).

IPC 8 full level
C07C 209/46 (2006.01); **C07C 231/02** (2006.01); **C07C 253/22** (2006.01); **C12P 7/46** (2006.01)

CPC (source: EP KR)
C07C 209/46 (2013.01 - EP KR); **C07C 231/02** (2013.01 - EP KR); **C07C 253/22** (2013.01 - EP KR); **C08G 69/26** (2013.01 - EP); **C08G 69/28** (2013.01 - EP); **C12P 7/44** (2013.01 - EP); **C12P 7/46** (2013.01 - KR); **C12P 13/001** (2013.01 - EP); **C12P 13/002** (2013.01 - EP); **C12P 13/02** (2013.01 - EP)

Citation (search report)
See references of WO 2011159564A1

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)
WO 2011159564 A1 20111222; BR 112012031744 A2 20160913; CA 2800708 A1 20111222; CN 103140467 A 20130605; EP 2582657 A1 20130424; JP 2013533863 A 20130829; KR 20130042553 A 20130426

DOCDB simple family (application)
US 2011039923 W 20110610; BR 112012031744 A 20110610; CA 2800708 A 20110610; CN 201180029570 A 20110610; EP 11728461 A 20110610; JP 2013515398 A 20110610; KR 20137001230 A 20110610