

Title (en)
DIRECT AMINATION OF HYDROCARBONS

Title (de)
DIREKTAMINIERUNG VON KOHLENWASSERSTOFFEN

Title (fr)
AMINATION DIRECTE D'HYDROCARBURES

Publication
EP 1989173 A1 20081112 (DE)

Application
EP 07712212 A 20070213

Priority

- EP 2007051376 W 20070213
- EP 06110419 A 20060224
- EP 07712212 A 20070213

Abstract (en)
[origin: WO2007099028A1] Disclosed is a method for aminating hydrocarbons with ammonia. Said method is characterized in that the N₂ concentration in the mixture at the reactor outlet is less than 0.1 percent by volume relative to the total volume of the mixture at the reactor outlet (Formula (I)).

IPC 8 full level
C07C 209/02 (2006.01)

CPC (source: EP KR US)
B01J 23/72 (2013.01 - KR); **B01J 23/745** (2013.01 - KR); **B01J 23/755** (2013.01 - KR); **C07C 209/02** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007099028A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007099028 A1 20070907; CN 101389593 A 20090318; EP 1989173 A1 20081112; JP 2009527523 A 20090730; KR 20080104336 A 20081202; US 2009030234 A1 20090129; US 7838702 B2 20101123

DOCDB simple family (application)
EP 2007051376 W 20070213; CN 200780006697 A 20070213; EP 07712212 A 20070213; JP 2008555748 A 20070213; KR 20087023244 A 20080923; US 28007007 A 20070213