

Title (en)  
DIRECT AMINATION OF HYDROCARBONS

Title (de)  
DIREKTAMINIERUNG VON KOHLENWASSERSTOFFEN

Title (fr)  
AMINATION DIRECTE D'HYDROCARBURES

Publication  
**EP 2046721 A1 20090415 (DE)**

Application  
**EP 07787621 A 20070717**

Priority  
• EP 2007057355 W 20070717  
• EP 06117623 A 20060721  
• EP 07787621 A 20070717

Abstract (en)  
[origin: WO2008009668A1] Disclosed is a method for aminating hydrocarbons with ammonia. Said method is characterized in that the amination process is carried out in the presence of an additive which reacts with hydrogen. At least one organic-chemical compound, N<SUB>2</SUB>O, hydroxylamine, hydrazine, and/or carbon monoxide is/are used as an additive.

IPC 8 full level  
**C07C 209/02** (2006.01); **C07C 211/46** (2006.01)

CPC (source: EP KR US)  
**B01J 21/06** (2013.01 - KR); **B01J 23/002** (2013.01 - EP US); **B01J 23/755** (2013.01 - KR); **B01J 23/78** (2013.01 - EP US);  
**B01J 23/88** (2013.01 - EP US); **B01J 23/885** (2013.01 - EP US); **C07C 209/02** (2013.01 - EP KR US); **C07C 211/46** (2013.01 - KR);  
**B01J 2523/00** (2013.01 - EP US)

C-Set (source: EP US)  
1. **B01J 2523/00 + B01J 2523/17 + B01J 2523/48 + B01J 2523/845 + B01J 2523/847**  
2. **B01J 2523/00 + B01J 2523/17 + B01J 2523/48 + B01J 2523/68 + B01J 2523/847**  
3. **C07C 209/02 + C07C 211/46**

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008009668 A1 20080124**; CN 101489978 A 20090722; EP 2046721 A1 20090415; JP 2009544651 A 20091217;  
KR 20090031623 A 20090326; US 2009292144 A1 20091126

DOCDB simple family (application)  
**EP 2007057355 W 20070717**; CN 200780027633 A 20070717; EP 07787621 A 20070717; JP 2009521217 A 20070717;  
KR 20097003065 A 20090213; US 37305607 A 20070717