

Title (en)  
METHOD FOR THE PRODUCTION OF N,N'-CARBONYLDIAZOLES AND AZOLIDE SALTS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON N,N'-CARBONYLDIAZOLEN UND AZOLIDSALZEN

Title (fr)  
PROCEDE DE FABRICATION DE N,N'-CARBONYLDIAZOLES ET DE SELS D'AZOLIDES

Publication  
**EP 1303493 A1 20030423 (DE)**

Application  
**EP 01945342 A 20010706**

Priority  
• DE 10035011 A 20000719  
• EP 0107731 W 20010706

Abstract (en)  
[origin: DE10035011A1] Preparation of N,N'-carbonyl-diazoles (I) involves reacting an alkali(ne earth) metal or onium azolide salt (II) with phosgene in an aromatic or ether solvent. Preparation of N,N'-carbonyl-diazoles of formula (I) involves reacting an azolide salt of formula (II) with phosgene in an aromatic or ether solvent. X1-X3 = CR1 or N; R1 = H or 1-6C alkyl; R2 = H; or R2+R1 (if X1 and X3 = CR1) = CH=CHCH=CH; M<+> = 1 equivalent of an alkali(ne earth) metal cation or a quaternary onium ion of formula (YR3R4R5R6)<+>; Y = P or N; and R3-R6 = 1-20C alkyl, phenyl, benzyl or ethylbenzyl. An Independent claim is included for the preparation of (II), by reacting an azole of formula (IV) with a metal compound of formula M'R7 (V) or R8-Mg-Z (VI) in a solvent. M' = 1 equivalent of an alkali(ne earth) metal cation; R7 = R9, OR9, N(R9)2 or 1/2 CO3; R8 = 1-6C alkyl or phenyl; and Z = Cl, Br or I.

IPC 1-7  
**C07D 233/60**; **C07D 249/08**; **C07D 231/12**; **C07D 235/06**

IPC 8 full level  
**C07D 231/12** (2006.01); **C07D 233/54** (2006.01); **C07D 233/60** (2006.01); **C07D 235/06** (2006.01); **C07D 249/08** (2006.01)

CPC (source: EP US)  
**C07D 231/12** (2013.01 - EP US); **C07D 233/54** (2013.01 - EP US); **C07D 235/06** (2013.01 - EP US); **C07D 249/08** (2013.01 - EP US)

Citation (search report)  
See references of WO 0218347A1

Designated contracting state (EPC)  
FR GB

DOCDB simple family (publication)  
**DE 10035011 A1 20020131**; AU 6758701 A 20020313; EP 1303493 A1 20030423; US 2002111497 A1 20020815; US 2003013891 A1 20030116; US 6465658 B2 20021015; US 6774239 B2 20040810; WO 0218347 A1 20020307

DOCDB simple family (application)  
**DE 10035011 A 20000719**; AU 6758701 A 20010706; EP 0107731 W 20010706; EP 01945342 A 20010706; US 21937302 A 20020815; US 90732001 A 20010717