

Title (en)
METHOD FOR PRODUCING DELTA 1-PYRROLINES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON DELTA 1-PYRROLINEN

Title (fr)
PROCEDE POUR LA PRODUCTION DE DELTA 1-PYRROLINES

Publication
EP 1322605 A1 20030702 (DE)

Application
EP 01967324 A 20010910

Priority
• DE 10047111 A 20000922
• EP 0110431 W 20010910

Abstract (en)
[origin: WO0224645A1] 2,5-bisaryl- DELTA <1>-pyrrolines of formula (I) are produced by reacting azides of formula (II) with a trialkylphosphine or a triarylphosphine or a trialkylphosphite or a reduction agent in the presence of a diluting agent and optionally, in the presence of a catalyst, Ar<1> and Ar<2> having the meanings given in the description.

IPC 1-7
C07D 207/20; **C07C 247/10**; **C07C 247/12**; **C07C 49/813**; **C07C 49/84**; **C07C 69/94**; **A01N 43/36**

IPC 8 full level
C07B 61/00 (2006.01); **C07C 45/63** (2006.01); **C07C 45/69** (2006.01); **C07C 45/74** (2006.01); **C07C 49/813** (2006.01); **C07C 49/84** (2006.01); **C07C 65/40** (2006.01); **C07C 69/94** (2006.01); **C07C 247/10** (2006.01); **C07C 247/12** (2006.01); **C07D 207/20** (2006.01)

CPC (source: EP KR US)
C07C 45/63 (2013.01 - EP US); **C07C 45/69** (2013.01 - EP US); **C07C 45/74** (2013.01 - EP US); **C07C 49/813** (2013.01 - EP US); **C07C 49/84** (2013.01 - EP US); **C07C 69/94** (2013.01 - EP US); **C07C 247/10** (2013.01 - EP US); **C07C 247/12** (2013.01 - EP US); **C07D 207/20** (2013.01 - EP KR US); **C07C 2601/02** (2017.04 - EP US)

Citation (search report)
See references of WO 0224645A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
WO 0224645 A1 20020328; AU 8772301 A 20020402; DE 10047111 A1 20020411; EP 1322605 A1 20030702; JP 2004515473 A 20040527; KR 20030033037 A 20030426; US 2004097740 A1 20040520

DOCDB simple family (application)
EP 0110431 W 20010910; AU 8772301 A 20010910; DE 10047111 A 20000922; EP 01967324 A 20010910; JP 2002529058 A 20010910; KR 20037002853 A 20030227; US 38078703 A 20030317