

Title (en)
PROCESS FOR PREPARING BIS- AND TRIS(SILYLOGRANO)AMINES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BIS- UND TRIS(SILYLOGRANO)AMINEN

Title (fr)
PROCÉDÉ DE PRODUCTION DE BIS ET TRIS(SILYL-ORGANO)AMINES

Publication
EP 2384330 A1 20111109 (DE)

Application
EP 10700566 A 20100119

Priority
• EP 2010050576 W 20100119
• DE 102009000500 A 20090130

Abstract (en)
[origin: WO2010086254A1] The invention provides a process for preparing silylorganoamines of the general formula (1) R³-nR¹ nSi-R²-NR³-R⁴-SiR³-mR⁵ m (1) by reacting (aminoorganyl)silanes of the general formula (2), H-NR³-R⁴-SiR³-mR⁵ m (2) with (haloorganyl)silanes of the general formula (3) R³-nR¹ nSi-R²-X (3), where R³, R⁴, R¹, R², R³, R⁴, R⁵, X, m and n are each defined as per claim 1, said reaction comprising the following steps: a) reacting the (haloorganyl)silane of the general formula (3) and the (aminoorganyl)silane of the general formula (2) at a temperature of 0 to 250 °C to form, as well as the silylorganoamine of the general formula (1), the ammonium halide of the (aminoorganyl)silane of the general formula (2) as a by-product, b) adding a base (B), which results in complete or partial ester interchange, in which the (aminoorganyl)silane of the general formula (2) is released again and forms the halide of the base (B), the halide of the base (B) being liquid at temperatures of at most 200 °C, and c) removing the liquid halide formed from the base (B).

IPC 8 full level
C07F 7/08 (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP KR US)
C07F 7/081 (2013.01 - EP US); **C07F 7/10** (2013.01 - KR); **C07F 7/18** (2013.01 - KR); **C07F 7/1804** (2013.01 - EP US)

Citation (search report)
See references of WO 2010086254A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009000500 A1 20100805; CN 102300869 A 20111228; EP 2384330 A1 20111109; JP 2012516296 A 20120719; KR 20110093933 A 20110818; US 2011282088 A1 20111117; WO 2010086254 A1 20100805

DOCDB simple family (application)
DE 102009000500 A 20090130; CN 201080006130 A 20100119; EP 10700566 A 20100119; EP 2010050576 W 20100119; JP 2011546776 A 20100119; KR 20117015521 A 20100119; US 201013142622 A 20100119