

Title (en)

METHOD FOR PRODUCING POLYAMIDE COMPOSITE MATERIAL CONTAINING SILICON

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SILIZIUMHALTIGEN POLYAMID-KOMPOSITMATERIALIEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE MATÉRIAUX COMPOSITES DE POLYAMIDE CONTENANT DU SILICIUM

Publication

**EP 2997082 A1 20160323 (DE)**

Application

**EP 14724744 A 20140516**

Priority

- EP 13168352 A 20130517
- EP 2014060078 W 20140516
- EP 14724744 A 20140516

Abstract (en)

[origin: WO2014184342A1] The invention relates to a method for producing polyamide composite materials containing silicon, comprising the copolymerisation of: a) at least one silicon compound (SV) having at least one silicon atom, said silicon atom having at least one lactamyl group of formula (A) bonded by means of the nitrogen atom thereof; b) the method also comprises copolymerisation with at least one comonomer (CM) that is selected from among ammonium salts of dicarboxylic acids, amino acids, amino acid amides and lactams. In formula (A), m represents a whole number between 1 and 11, in particular in between 2 and 9, and specifically 3, and # represents the connection to the silicon atom of the compound (SV).

IPC 8 full level

**C08K 3/00** (2006.01); **C08L 77/00** (2006.01)

CPC (source: EP US)

**C08G 69/02** (2013.01 - EP US); **C08G 69/06** (2013.01 - US); **C08G 69/14** (2013.01 - EP US); **C08G 69/16** (2013.01 - EP US); **C08G 69/42** (2013.01 - EP US); **C08G 77/455** (2013.01 - EP US); **C08G 83/001** (2013.01 - US); **C08K 3/36** (2013.01 - EP US); **C08L 77/00** (2013.01 - EP US); **C08L 77/02** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014184342 A1 20141120**; EP 2997082 A1 20160323; JP 2016518501 A 20160623; KR 20160010566 A 20160127; US 2016096923 A1 20160407; US 9580550 B2 20170228

DOCDB simple family (application)

**EP 2014060078 W 20140516**; EP 14724744 A 20140516; JP 2016513381 A 20140516; KR 20157035697 A 20140516; US 201414891852 A 20140516