

Title (en)  
METHOD FOR PRODUCING OLIGOHALOGEN SILANES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON OLIGOHALOGENSILANEN

Title (fr)  
PROCÉDÉ DE FABRICATION D'OLIGOHALOGÉNOSILANES

Publication  
**EP 2445836 A1 20120502 (DE)**

Application  
**EP 10725456 A 20100616**

Priority  
• EP 2010058426 W 20100616  
• DE 102009027241 A 20090626

Abstract (en)  
[origin: WO2010149545A1] The invention relates to a method for producing oligohalogen silanes, selected from oligohalogen silanes of the general formulas (1) and (2):  $\text{Si}_n\text{X}_{2n+2}$  (1),  $\text{Si}_m\text{X}_{2m}$  (2), wherein a mixture comprising silicon and metal halogenide selected from Ti, Zr, Hf, V, Nb, Mo, W, Fe, Co, Ni, Cu, Cd, In, Sn, P, Sb, Bi, S, Se, Te and Pb and mixtures thereof is converted at a temperature of  $-125^\circ\text{C}$  to  $1100^\circ\text{C}$  and the oligohalogen silanes formed are removed by means of a carrier gas selected from  $\text{N}_2$ , noble gases,  $\text{CH}_3\text{Cl}$ ,  $\text{HCl}$ ,  $\text{CO}_2$ ,  $\text{CO}$ ,  $\text{H}_2$ , and  $\text{SiCl}_4$ , where X is selected from Cl, Br and I, n is a whole number from 2 to 10, and m is a whole number from 3 to 10.

IPC 8 full level  
**C01B 33/107** (2006.01)

CPC (source: EP KR US)  
**C01B 33/107** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2010149545A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009027241 A1 20101230**; CN 102803140 A 20121128; EP 2445836 A1 20120502; JP 2012530668 A 20121206; KR 101389882 B1 20140429; KR 20120027382 A 20120321; US 2012107217 A1 20120503; WO 2010149545 A1 20101229

DOCDB simple family (application)  
**DE 102009027241 A 20090626**; CN 201080028662 A 20100616; EP 10725456 A 20100616; EP 2010058426 W 20100616; JP 2012516646 A 20100616; KR 20117030733 A 20100616; US 201013379466 A 20100616