

Title (en)
PRODUCTION OF SILANES BY ACID HYDROLYSIS OF ALLOYS OF SILICON AND OF ALKALINE-EARTH METALS OR ALKALINE-EARTH METAL SILICIDES

Title (de)
PRODUKTION VON SILANEN DURCH SÄUREHYDROLYSE VON LEGIERUNGEN AUS SILICIUM UND ERDALKALIMETALLEN ODER VON ERDALKALIMETALLSILICIDEN

Title (fr)
PRODUCTION DE SILANES PAR HYDROLYSE ACIDE D'ALLIAGES DE SILICIUM ET DE METAUX ALCALINO-TERREUX OU SILICIURES DE METAUX ALCALINO-TERREUX

Publication
EP 2294007 A2 20110316 (FR)

Application
EP 09750021 A 20090421

Priority

- FR 2009050734 W 20090421
- FR 0853321 A 20080522

Abstract (en)
[origin: WO2009141540A2] Method of preparing a compound of formula SiH_{2n+2} in which n is an integer greater than or equal to 1 and less than or equal to 4, by reaction of at least one silicide or silicon alloy in the form of powder of formula $\text{M}_1 \text{xM}_2 \text{ySi}_z$ in which M1 is a reducing metal, M2 an alkali or alkaline-earth metal, x, y and z varying from 0 to 1, z being different from 0 and x+y different from 0, with an aqueous solution comprising CO_2 , said solution is or is not saturated with CO_2 at the temperature and pressure of the reaction.

IPC 8 full level
C01B 33/04 (2006.01)

CPC (source: EP US)
C01B 33/04 (2013.01 - EP US); **C01B 33/043** (2013.01 - EP US)

Citation (search report)
See references of WO 2009141540A2

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