

Title (en)

METHOD FOR PRODUCING SILICON NITRIDE

Title (de)

VERFAHREN ZUR GEWINNUNG VON SILICIUMNITRID

Title (fr)

PROCEDE D'OBTENTION DE NITRURE DE SILICIUM

Publication

EP 1294639 A1 20030326 (DE)

Application

EP 01951386 A 20010615

Priority

- DE 0102229 W 20010615
- DE 10029903 A 20000617
- DE 10029902 A 20000617
- DE 10029911 A 20000617
- DE 10039753 A 20000816
- DE 10039752 A 20000816
- DE 10039751 A 20000816

Abstract (en)

[origin: US2003165417A1] A process for the production of silicon nitride (Si₃N₄) is described. According to this process nitrogen and/or nitrogen compounds are reacted with silicon and/or silicon compounds in a reaction chamber by means of a subgroup element or a subgroup element oxide. The process can be carried out in a simple and rapid manner and has a high yield.

IPC 1-7

C01B 21/068; C01C 1/02; C01B 33/107; C01B 33/32; C01B 33/12

IPC 8 full level

C01B 21/068 (2006.01); **C01B 33/20** (2006.01); **C01C 1/02** (2006.01)

CPC (source: EP US)

C01B 21/068 (2013.01 - EP US); **C01B 21/0682** (2013.01 - EP US); **C01B 33/20** (2013.01 - EP US); **C01C 1/026** (2013.01 - EP US); **Y02P 20/129** (2015.11 - EP US)

Citation (search report)

See references of WO 0198205A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2003165417 A1 20030904; AU 7233901 A 20020102; EP 1294639 A1 20030326; WO 0198205 A1 20011227

DOCDB simple family (application)

US 31150803 A 20030212; AU 7233901 A 20010615; DE 0102229 W 20010615; EP 01951386 A 20010615