

Title (en)

SILICON NITRIDE CERAMICS WITH IMPROVED WEAR RESISTANCE AND PRODUCTION METHOD THEREFORE

Title (de)

SILICIUMNITRIDKERAMIK MIT VERBESSERTER VERSCHLEISSFESTIGKEIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

CÉRAMIQUES DE NITRURE DE SILICIUM À RÉSISTANCE À L'USURE AMÉLIORÉE ET LEUR PROCÉDÉ DE PRODUCTION

Publication

**EP 2850041 A1 20150325 (EN)**

Application

**EP 13724567 A 20130516**

Priority

- EP 12168174 A 20120516
- EP 12179514 A 20120807
- EP 12182818 A 20120903
- EP 2013060197 W 20130516
- EP 13724567 A 20130516

Abstract (en)

[origin: WO2013171324A1] The invention concerns silicon nitride ceramics, which especially can be produced by adding only the slightest amounts of sintering additives, resulting in ceramic bodies comprising very little grain boundary phase. The invention further concerns a method for producing such Si<sub>3</sub>N<sub>4</sub> ceramics.

IPC 8 full level

**C04B 35/593** (2006.01)

CPC (source: EP)

**C04B 35/5935** (2013.01); **B23B 2226/18** (2013.01); **C04B 2235/3206** (2013.01); **C04B 2235/3224** (2013.01); **C04B 2235/3225** (2013.01); **C04B 2235/3244** (2013.01); **C04B 2235/3418** (2013.01); **C04B 2235/6567** (2013.01); **C04B 2235/661** (2013.01); **C04B 2235/767** (2013.01); **C04B 2235/77** (2013.01); **C04B 2235/81** (2013.01); **C04B 2235/85** (2013.01)

Citation (search report)

See references of WO 2013171324A1

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 2013171324 A1 20131121**; EP 2850041 A1 20150325

DOCDB simple family (application)

**EP 2013060197 W 20130516**; EP 13724567 A 20130516