

Title (en)
PRODUCTION AND AFTERTREATMENT OF A SILICA GLASS ARTICLE

Title (de)
HERSTELLEN UND NACHBEHANDELN EINES QUARZGLASKÖRPERS

Title (fr)
FABRICATION ET POST-TRAITEMENT D'UN CORPS EN VERRE DE SILICE

Publication
EP 3390298 A1 20181024 (DE)

Application
EP 16810409 A 20161216

Priority
• EP 15201139 A 20151218
• EP 2016081464 W 20161216

Abstract (en)
[origin: WO2017103133A1] The invention relates to a method for producing a silica glass article, involving method steps i.) providing a silica granulate, ii.) forming a glass melt from the silica granulate in a melting crucible, iii.) forming a silica glass article from at least some of the glass melt, iv.) treating the silica glass article using at least one measure selected from the group consisting of a chemical, a thermal or a mechanical treatment so as to obtain a treated silica glass article. The invention further relates to a silica glass article that can be obtained by said method. The invention also relates to an optical waveguide, an illuminant and a molded article, each of which can be obtained by further processing the silica glass article.

IPC 8 full level
C03B 20/00 (2006.01); **C03B 17/04** (2006.01); **C03B 19/06** (2006.01); **C03B 19/10** (2006.01); **C03B 37/012** (2006.01); **C03C 3/06** (2006.01); **C03C 15/00** (2006.01)

CPC (source: EP KR US)
C03B 17/04 (2013.01 - EP KR US); **C03B 19/066** (2013.01 - EP KR US); **C03B 19/106** (2013.01 - EP KR US); **C03B 20/00** (2013.01 - KR); **C03B 37/01228** (2013.01 - EP KR US); **C03B 37/01231** (2013.01 - EP KR US); **C03C 3/06** (2013.01 - EP KR US); **C03C 13/045** (2013.01 - US); **C03C 23/0075** (2013.01 - EP KR US); **C03C 2203/10** (2013.01 - EP KR US); **G01N 21/412** (2013.01 - EP); **Y02P 40/57** (2015.11 - EP)

Citation (search report)
See references of WO 2017103133A1

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 2017103133 A1 20170622; **WO 2017103133 A9 20180201**; CN 108698896 A 20181023; EP 3390298 A1 20181024; JP 2019504810 A 20190221; KR 20180095623 A 20180827; TW 201736290 A 20171016; US 2019071342 A1 20190307

DOCDB simple family (application)
EP 2016081464 W 20161216; CN 201680082183 A 20161216; EP 16810409 A 20161216; JP 2018531170 A 20161216; KR 20187020273 A 20161216; TW 105141752 A 20161216; US 201616062685 A 20161216