

Title (en)
PRODUCTION OF A SILICA GLASS ARTICLE IN A SUSPENDED SINTERED CRUCIBLE

Title (de)
HERSTELLUNG EINES QUARZGLASKÖRPERS IN EINEM HÄNGENDEN SINTERTIEGEL

Title (fr)
FABRICATION D'UN CORPS EN VERRE DE SILICE DANS UN CREUSET FRITTÉ SUSPENDU

Publication
EP 3390306 A2 20181024 (DE)

Application
EP 16822145 A 20161216

Priority
• EP 15201122 A 20151218
• EP 2016081437 W 20161216

Abstract (en)
[origin: WO2017103114A2] 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 furnace, and iii.) forming a silica glass article from at least some of the glass melt, the furnace including a suspended sintered crucible. 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 5/06** (2006.01); **C03B 17/04** (2006.01); **C03B 19/10** (2006.01); **C03B 37/012** (2006.01); **C03C 3/06** (2006.01)

CPC (source: EP KR US)
C03B 5/06 (2013.01 - EP KR US); **C03B 17/04** (2013.01 - EP KR US); **C03B 19/066** (2013.01 - US); **C03B 19/106** (2013.01 - EP KR US); **C03B 20/00** (2013.01 - EP KR US); **C03B 37/01211** (2013.01 - EP KR US); **C03C 1/022** (2013.01 - EP KR US); **C03C 3/06** (2013.01 - EP KR US); **C03B 2201/04** (2013.01 - US); **C03B 2201/23** (2013.01 - US); **C03C 2201/11** (2013.01 - EP KR US); **C03C 2201/26** (2013.01 - EP KR US); **C03C 2201/32** (2013.01 - EP KR US); **C03C 2203/10** (2013.01 - EP KR US); **C03C 2204/04** (2013.01 - US); **G01N 21/412** (2013.01 - EP); **Y02P 40/57** (2015.11 - EP)

Citation (search report)
See references of WO 2017103114A2

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 2017103114 A2 20170622; WO 2017103114 A3 20171123; CN 108698895 A 20181023; EP 3390306 A2 20181024; JP 2019503962 A 20190214; JP 6927643 B2 20210901; KR 20180095621 A 20180827; TW 201736288 A 20171016; TW I794148 B 20230301; US 2019092676 A1 20190328

DOCDB simple family (application)
EP 2016081437 W 20161216; CN 201680082182 A 20161216; EP 16822145 A 20161216; JP 2018531077 A 20161216; KR 20187020269 A 20161216; TW 105141731 A 20161216; US 201616062382 A 20161216