

Title (en)

DENTAL OVEN AND METHOD FOR OPERATING SAME

Title (de)

DENTALOFEN SOWIE VERFAHREN ZUM BETRIEB EINES DENTALOFENS

Title (fr)

FOUR DENTAIRE AINSI QUE PROCÉDÉ DE FONCTIONNEMENT D'UN FOUR DENTAIRE

Publication

**EP 3483542 B1 20200729 (DE)**

Application

**EP 17201096 A 20171110**

Priority

EP 17201096 A 20171110

Abstract (en)

[origin: US2019150227A1] The invention relates to a dental furnace, in particular a high-temperature dental furnace for oxide ceramics such as zirconium dioxide having sintering temperatures of between 1300 and 1850° C., comprising a heating element (10) which is intended to give off heating energy to the firing chamber. It is provided that the heating element (10) comprises at least two heating element sections (48, 50) adjoining one another at a transition area (34) which is not current-carrying and/or which extends away laterally, that the transition area (34) is supported on a position, in particular on the free end, spaced apart from the electrical connections (16, 18) on the dental furnace and carries at least the two adjoining parts of heating element sections (48, 50).

IPC 8 full level

**F27B 17/02** (2006.01); **A61C 13/20** (2006.01); **F27B 5/14** (2006.01); **F27D 9/00** (2006.01); **F27D 11/02** (2006.01); **H05B 3/64** (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP US)

**F27B 5/14** (2013.01 - EP US); **F27B 17/025** (2013.01 - EP US); **F27D 9/00** (2013.01 - EP US); **F27D 11/02** (2013.01 - EP US); **H05B 3/12** (2013.01 - US); **H05B 3/64** (2013.01 - US); **H05B 6/129** (2013.01 - EP US); **F27B 2005/143** (2013.01 - EP US); **F27D 2009/0051** (2013.01 - EP US); **H05B 2203/018** (2013.01 - US)

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

DOCDB simple family (publication)

**EP 3483542 A1 20190515**; **EP 3483542 B1 20200729**; US 11184956 B2 20211123; US 2019150227 A1 20190516

DOCDB simple family (application)

**EP 17201096 A 20171110**; US 201816182662 A 20181107