

Title (en)

MICROWAVE SINTERING FURNACE AND METHOD FOR SINTERING ARTIFICIAL TOOTH USING THE SAME

Title (de)

MIKROWELLEN-SINTEROFEN UND VERFAHREN ZUM SINTERN EINES KÜNSTLICHEN ZAHNS DAMIT

Title (fr)

FOUR DE FRITTAGE À MICRO-ONDES ET MÉTHODE DE FRITTAGE DE DENTS ARTIFICIELLES L'UTILISANT

Publication

**EP 2182881 A4 20120404 (EN)**

Application

**EP 08793183 A 20080811**

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- KR 20070097799 A 20070928

Abstract (en)

[origin: WO2009020378A2] A method of sintering artificial teeth using a microwave sintering furnace, the method comprising the steps of: (1) providing first and second insulation material frames made of a ceramic material, at least one of which has formed therein a workpiece-receiving space for inserting a workpiece! (2) placing a first heating element in the workpiece-receiving space and placing artificial tooth cores around the first heating element; (3) combining the first and second insulation material frames with each other to form an assembly of insulation material frames; (4) placing the assembly of the insulation material frames in a microwave oven and operating the microwave oven for less than 4 hours to heat the artificial tooth cores.

IPC 8 full level

**A61C 13/14** (2006.01); **A61C 13/20** (2006.01)

CPC (source: EP)

**A61C 13/203** (2013.01)

Citation (search report)

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- [A] US 6013125 A 20000111 - QURAISHI MASHALLAH M [US], et al
- [A] EP 0193514 A2 19860903 - CLERCK JEAN PAUL HENRI DE
- [A] MENEZES ET AL: "Microwave hybrid fast sintering of porcelain bodies", JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, ELSEVIER, NL, vol. 190, no. 1-3, 11 May 2007 (2007-05-11), pages 223 - 229, XP022070994, ISSN: 0924-0136, DOI: 10.1016/J.JMATPROTEC.2007.02.041
- See references of WO 2009020378A2

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