

Title (en)
METHOD AND DEVICE FOR PRODUCING BY ELECTROPHORESIS FULLY CERAMIC TOOTH ELEMENTS HAVING A PREDEFINED SPATIAL SHAPE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VOLLKERAMISCHER ZAHNTEILE MIT VORBESTIMMTER RAUMFORM MITTELS ELEKTROPHORESE

Title (fr)
PROCEDE ET DISPOSITIF POUR PRODUIRE PAR ELECTROPHORESE DES ELEMENTS DENTAIRES ENTIEREMENT COMPOSES DE CERAMIQUE, PRESENTANT UNE FORME SPATIALE PREDEFINIE

Publication
EP 1850787 A1 20071107 (DE)

Application
EP 06700105 A 20060103

Priority
• DE 2006000002 W 20060103
• DE 102005006624 A 20050212

Abstract (en)
[origin: WO2006084425A1] The invention relates to a method and device for producing by electrophoresis fully ceramic tooth elements having a predefined spatial shape, wherein an electric conductive plate (1) having different conductive areas is applied to a working model or a structural element directly or at a certain distance. According to a known method, a power is supplied to the plate by means of a cable, which is removable after coating by means of a slip and prior to sintering. According to the inventive method, said laborious operation is nor required anymore. The inventive method consists in fixing the plates (1) to a conductive tooth stump (2) by means of an adhesive conductive material (5) or to an implant abutment (3). The power can be supplied by the tooth stump, the abutment or a leg (7) integrateable with the plate. Said plate is preferably made of zinc or an adhesive conductive material, preferably a mixture of wax and zinc powder which disappears without residues by sintering. A plate which is particularly suitable for carrying out said method and whose conductivity variations are obtainable by means of recesses embodied therein is also disclosed.

IPC 8 full level
A61C 13/00 (2006.01)

CPC (source: EP US)
A61C 13/001 (2013.01 - EP US)

Citation (search report)
See references of WO 2006084425A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006084425 A1 20060817; DE 102005006624 A1 20060824; DE 112006000893 A5 20080110; EP 1850787 A1 20071107; JP 2008529612 A 20080807; US 2009038945 A1 20090212

DOCDB simple family (application)
DE 2006000002 W 20060103; DE 102005006624 A 20050212; DE 112006000893 T 20060103; EP 06700105 A 20060103; JP 2007554414 A 20060103; US 66308406 A 20060103