

Title (en)
METHODS AND APPARATUSES FOR MANUFACTURING DENTAL ALIGNERS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ZAHNAUSRICHTERN

Title (fr)
PROCEDES ET APPAREIL POUR LA FABRICATION D'ALIGNEURS DENTAIRE

Publication
EP 1807015 A2 20070718 (EN)

Application
EP 05825468 A 20051102

Priority

- US 2005039715 W 20051102
- US 97982304 A 20041102
- US 97949704 A 20041102
- US 97950404 A 20041102
- US 97982404 A 20041102
- US 1315604 A 20041214
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- US 5012605 A 20050203
- US 7430105 A 20050307
- US 7429905 A 20050307
- US 67385105 P 20050422
- US 67654605 P 20050429
- US 25846505 A 20051024

Abstract (en)
[origin: WO2006050452A2] Methods and apparatus for building physical and/or digital dental models are described herein. Methods and apparatus that can be utilized within the process of building a physical and/or digital dental model are also disclosed herein. In one implementation, individual physical tooth models are created and then arranged into a tooth arch to serve as the underlying template for fabricating a dental aligner. A registration feature may be implemented on each of the physical tooth models to track the positions of the individual physical tooth models relative to the other tooth models in the tooth arch. In one application, information regarding the registration features is mapped from the digital space into the physical space and vice versa. By tracking changes in the registration features, one can arrange individual physical tooth models to form a physical tooth arch that reflects the arrangement of the teeth in a digital tooth model.

IPC 8 full level
G06F 19/00 (2006.01); **G06F 15/00** (2006.01)

CPC (source: EP)
A61C 9/002 (2013.01); **A61C 9/0046** (2013.01); **A61C 9/008** (2013.01)

Citation (search report)
See references of WO 2006050452A2

Cited by
CN108247055A

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2006050452 A2 20060511; WO 2006050452 A3 20080529; EP 1807015 A2 20070718

DOCDB simple family (application)
US 2005039715 W 20051102; EP 05825468 A 20051102