

Title (en)

METHOD AND SYSTEM FOR DETERMINING MOTION PATTERNS DURING A DENTAL TREATMENT

Title (de)

VERFAHREN UND SYSTEM ZUR BESTIMMUNG VON BEWEGUNGSMUSTERN BEI EINER ZAHNBEHANDLUNG

Title (fr)

PROCÉDÉ ET SYSTÈME SERVANT À DÉTERMINER DES MODÈLES DE MOUVEMENT LORS DE SOINS DENTAIRE

Publication

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Application

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- DE 102014110761 A 20140729
- DE 102014110762 A 20140729
- DE 102014113224 A 20140914
- DE 102014114417 A 20141005
- DE 102014115821 A 20141030
- DE 102014115824 A 20141030
- DE 102014118444 A 20141211
- EP 2015067414 W 20150729

Abstract (en)

[origin: WO2016016323A1] The invention relates to a method for determining a motion of a dental treatment means, in particular a tooth brush, resulting during a dental treatment, in particular a teeth cleaning, at least comprising the following steps: providing at least a part of the data, in particular image data, sensed by means of an optical detection device and concerning a motion parameter of a dental treatment means with respect to a reference system moving along with the head of a treated person to a processor device for determining the motion, said dental treatment means being moved at least in an X/Y plane, wherein the data represent characteristic body points of the hand surface, body lines of the hand surface, and/or body surfaces of the hand, in particular of the fingers, by means of which the dental treatment means is guided, defining a further three-dimensional reference system by means of the processor device, which further reference system moves along with the dental treatment means during a motion of the dental treatment means in space, wherein the further reference system is formed by the characteristic body points of the hand, body lines of the hand, and/or body surfaces of the hand by means of which the dental treatment means is guided, and determining the motion on the basis of the relative motion of the reference systems.

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- WO 2014036423 A1 20140306 - IDEAS THAT WORK LLC [US]
- WO 2014202438 A1 20141224 - OHMER BENJAMIN [DE]

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