

Title (en)
TOMOGRAMS FOR PLANNING IMPLANTS

Title (de)
SCHICHTAUFNAHMEN ZUR IMPLANTATPLANUNG

Title (fr)
ENREGISTREMENTS STRATIFIÉS EN VUE DE LA PLANIFICATION D'UN IMPLANT

Publication
EP 2203891 A2 20100707 (DE)

Application
EP 08804423 A 20080918

Priority
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Abstract (en)
[origin: WO2009056399A2] A method for making and presenting tomograms generated from a set of volume data, wherein the volume data are recorded using a tomographic recording appliance, for example using a "cone beam CT" appliance, and represent the mandible region of a patient, wherein planning data are assigned to the volume data, which planning data describe the position of an implant which is to be inserted into the mandible and has an implant axis, wherein a coordinate system which is spanned by the mutually perpendicular vectors u, v, w and is matched to a panorama curve or a panorama area is defined, wherein, for making and presenting a tomogram, a display plane is selected which intersects an implant described by the planning data, wherein in a first case the v-vector is orthogonal with respect to the panorama area and/or the panorama curve and intersects the implant axis in a reference point, wherein the reference point is selected to be the origin of the coordinate system, wherein the w-vector which extends through the reference point is tilted such that the implant axis is in the v,w-plane, wherein the v,w-plane forms a first base plane and wherein a display plane which is parallel to the first base plane is selected, wherein in a second case the u-vector intersects the implant axis in a reference point and is parallel to the tangent of the panorama curve in the perpendicular point of the reference point on the panorama curve, wherein the w-vector of the coordinate system is tilted such that the implant axis is in the u,w-plane, wherein the u,w-plane forms a second base plane and wherein a display plane which is parallel to the second base plane is selected.

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