

Title (en)

METHOD FOR MANUFACTURING AN INDIVIDUALISED ORTHODONTIC APPLIANCE, AND APPLIANCE THUS MANUFACTURED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER PERSONALISIERTEN ORTHODONTISCHEN ANWENDUNG UND IN DIESEM VERFAHREN HERGESTELLTE ANWENDUNG

Title (fr)

PROCÉDÉ DE RÉALISATION D'UN APPAREILLAGE ORTHODONTIQUE INDIVIDUALISÉ, ET APPAREILLAGE AINSI RÉALISÉ

Publication

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Application

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Abstract (en)

[origin: WO2011067510A1] The invention relates to a method for manufacturing an individualised orthodontic appliance for treating a patient, said appliance comprising at least one orthodontic treatment arc and a plurality of elements, each comprising a fastener provided with at least one groove in which said orthodontic arc can be inserted, each fastener being intended for being placed on a base for being placed on a rear surface of a tooth, said method providing for digitally designing said bases individually after having formed a model representing the corrected position of the arch and the surfaces of the teeth to which said bases must be attached, characterised in that: at least some of said bases are digitally designed and manufactured by means of quick prototyping; a mass-produced fastener is attached to each one of said bases; and a folded orthodontic arc is digitally designed and manufactured, shaped specifically such that, after insertion thereof in the grooves of said fasteners, said arc follows the curve of the arch in the corrected position. The invention further relates to an appliance manufactured according to the preceding method.

IPC 8 full level

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US 5431562 A 19950711 - ANDREIKO CRAIG A [US], et al

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