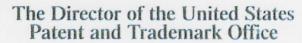
The United States of America



Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

# United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extensions.

Director of the United States Patent and Trademark Office



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# (12) United States Patent

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#### (54) IMPLANT FOR FIXING DENTAL PROSTHESES

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Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 68 days.

(21) Appl. No.: 09/949,618

(\*) Notice:

(22) Filed: Sep. 12, 2001

(65) Prior Publication Data

US 2002/0031748 A1 Mar. 14, 2002

(30)	Foreign	Application	<b>Priority</b>	Data
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Sep.	12, 2000	(II)	*************************	PD2000A0218
(51)	Int C17			A 61C 8/00

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(57). ABSTRACT

An improved implant for fixing dental prostheses, of the type constituted by an intrabony section that is fixed, upon assembly, within the gum, and to which a dental prosthesis anchoring superstructure is fixed; the superstructure is constituted by an abutment provided with an axial through hole that is partially accommodated in a seat formed in the intrabony section and suitable to provide the support around which the tooth is constituted, and an abutment fixing pin that is inserted axially in the abutment and is provided with a threaded portion that is associated, upon assembly, with a threaded blind hole formed axially in the bottom of the seat. The seat has a portion provided with a triangular crosssection with radiused vertices and coupled, upon assembly, to a complementarily shaped portion of a shank formed in the abutment element. The seat and the shank are complementarily shaped and provided with a circular cross-section in their remaining parts as well.

## 4 Claims, 2 Drawing Sheets

