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*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**

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*Director of the United States Patent and Trademark Office*



US006659770B2

(12) **United States Patent**  
**Crudo**

(10) **Patent No.:** US 6,659,770 B2  
(45) **Date of Patent:** Dec. 9, 2003

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

6,102,703 A 8/2000 Day ..... 433/174

**FOREIGN PATENT DOCUMENTS**

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(\* ) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 68 days.

\* cited by examiner

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

(57) **ABSTRACT**

(22) **Filed:** Sep. 12, 2001

(65) **Prior Publication Data**

US 2002/0031748 A1 Mar. 14, 2002

(30) **Foreign Application Priority Data**

Sep. 12, 2000 (IT) ..... PD2000A0218

(51) **Int. Cl.<sup>7</sup>** ..... A61C 8/00

(52) **U.S. Cl.** ..... 433/173

(58) **Field of Search** ..... 433/172, 173,  
433/174, 175, 176

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 cross-section 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.

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4 Claims, 2 Drawing Sheets

