

Title (en)

A process and an apparatus for treating the surface of articles made of titanium and alloys thereof

Title (de)

Verfahren und Vorrichtung zur Oberflächenbehandlung von Werkstücken aus Titan und Titanlegierungen

Title (fr)

Procédé et appareil pour le traitement de surface de pièces en titane et en alliage de titane

Publication

**EP 0938940 A1 19990901 (EN)**

Application

**EP 98102510 A 19980213**

Priority

EP 98102510 A 19980213

Abstract (en)

A process and an apparatus for treating under a controlled atmosphere the surface of articles made of titanium and alloys thereof, particularly for prostheses and the like in the oral cavity. All the operations required to obtain a finished article are accomplished under a neutral and controlled atmosphere so as to obtain a finished article protected by a strongly adhering film and having a fine appearance.

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CPC (source: EP)

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Citation (search report)

- [A] GB 2244019 A 19911120 - G C DENTAL IND CORP [JP]
- [A] GB 2244020 A 19911120 - G C DENTAL IND CORP [JP]
- [A] FR 2695581 A1 19940318 - SAED MANFREDI SPA [IT]
- [A] GB 732298 A 19550622 - NAT LEAD CO
- [A] M.J.DONACHIE: "TITANIUM - A TECHNICAL GUIDE", 1988, ASM, METALS PARK, OHIO, US, XP002071975
- [A] "ASM HANDBOOK, 10TH EDITION, VOL 5, SURFACE ENGINEERING", 1994, ASM INTERNATIONAL, METALS PARK, OHIO, US, XP002071976

Cited by

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DOCDB simple family (publication)

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