

Title (en)
CORDLESS PRE-CALIBRATED TORQUE DRIVER WITH ABUTMENT HOLDER FOR IMPLANT PROSTHETICS AND METHODS OF USE

Title (de)
KABELLOSER VORKALIBRIERTER DREHMOMENTSANTRIEB MIT WIDERLAGERHALTER FÜR IMPLANTIERTE PROTHESEN UND ANWENDUNGSVERFAHREN

Title (fr)
DISPOSITIF DE POSE SANS FIL AVEC UN COUPLE PRÉRÉGLÉ ET DOTÉ D'UN SUPPORT DE PILIER POUR PROTHÈSES IMPLANTAIRES ET PROCÉDÉS D'UTILISATION

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Application
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Abstract (en)
[origin: WO2008093345A2] A cordless pre-calibrated torque driver with a detachable abutment holder for driving prosthetics on dental implants. The main object of the present invention is to provide a portable cordless driver for prosthetics on implants with a pre-calibrated torque. The pre-calibrated torque is achieved by a special embodied mechanism on the motor shaft. Another object of the present invention is to provide a portable pre-calibrated torque driver with a detachable abutment holder, which prevents torque delivery to the implant whenever an abutment is tightened or released from it. The holder also enables easy access to posterior implants and one sole hand practice. For that purpose, the present Invention further provides for an organizing device designed to be used along with a cordless driver that can unload the healing caps from the driver. Using a single hand , a dentist can quickly load and unload healing caps from implants to said organizer and back, and abutments with an attached holder from laboratory model to implants and back and without risking implant stability in the bone by torque delivery from the driver (typically 25Ncm). These devices and methods significantly reduce chair time needed to restore dental implants and contribute to improve success rates of implants.

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