

Title (en)
DEVICE FOR HOLDING A DENTAL INSTRUMENT

Title (de)
VORRICHTUNG ZUM HALTEN EINES DENTALINSTRUMENTS

Title (fr)
DISPOSITIF DE TENUE D'UN INSTRUMENT DENTAIRE

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Application
EP 05757052 A 20050412

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Abstract (en)
[origin: WO2006021628A1] The invention concerns a device for holding a dental instrument in the head of a contra-angle handpiece, an instrument of the type comprising in its upper part penetrating into the head of the contra-angle a lateral flat surface for being rotated, and an annular groove for its axial retention. The invention is characterized in that the shank receiving the handle of the instrument, comprises a transverse countersink (7d), off-center relative to the longitudinal axis (7e) of the shank, provided in the end of the shank and emerging into the bore (7b), the width (l) of the countersink being such that it enables the instrument handle to be engaged such that the lateral flat surface of the handle is in contact with the wall (7f) of the countersink, closest to the longitudinal axis (7c) so as to provide rotational coupling and so that the shoulder of the flat surface of the handle abuts the base (7c) of the longitudinal bore (7b) of the shank, so as to provide an axial stop function in the inserting direction. Preferably, the device is in the form of a cartridge comprising already assembled a shank (7), a shank bearing (10), an elastic ring (8), a spring-loaded (12) push-button (13), and optionally a ball-bearing (11).

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