

Title (en)

ANGLE-CONTROLLED RETRACTABLE SCREW FOR ASSEMBLING FURNITURE, PANELS OR SHELVES

Title (de)

ZURÜCKZIEHBARE SCHRAUBE MIT EINEM WINKELEINGRIFF ZUM ZUSAMMENSETZEN VON MÖBELN, PLATTEN ODER REGALEN

Title (fr)

VIS RETRACTABLE A COMMANDE D'ANGLE DESTINEE A L'ASSEMBLAGE DE MEUBLES, DE PANNEAUX OU DE TABLETTES

Publication

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Application

EP 00993734 A 20001227

Priority

- FR 0003689 W 20001227
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Abstract (en)

[origin: FR2803342A1] The invention relates to a device for assembling panels or other elements by screwing, using a screw that is arranged in the depth of the panel and which does not extend beyond the panel prior to screwing. The device does not require a piece that extends into the other panel as do existing devices, especially those termed "eccentric". The inventive device comprises four main pieces: two stationary pieces - the body (1), which is retained in the panel by a thread (2), and the guiding sleeve (6), which is provided with a short threaded part; and two mobile pieces - the socket (4) and the screw (5), which are driven by a screwdriver (10) that is introduced through a window (3). The socket and the screw are enclosed by the body and the sleeve. In this device, the screw (5) is guided forwards over the first part of its course by the thread of the guiding sleeve (6), until it meets the element in which it is to be inserted. The screw is then released for the final part of its course, in order to complete the tightening process, eventually being stopped on the rear of the guiding sleeve (6). The inventive device is especially suitable for assembling cupboards and book shelves. It is equally as suitable for pre-assembled furniture or furniture that is provided in assembly kits.

IPC 1-7

F16B 12/14

IPC 8 full level

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