Title (en)

DOUBLE NUT FOR THE CONTROLLED TIGHTENING OF A PART BY MEANS OF A SCREW CONNECTION

Title (de)

DOPPELMUTTER ZUM KONTROLLIERTEN SPANNEN EINES BAUTEILS MITTELS SCHRAUBENVERBINDUNG

Title (fr)

DOUBLE-ECROU POUR TENDRE UNE PARTIE STRUCTURALE DE MANIERE CONTROLEE A L'AIDE D'UNE LIAISON A VIS

Publication

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Application

EP 04763584 A 20040729

Priority

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Abstract (en)

[origin: WO2005021216A1] The invention relates to a double nut for the controlled tightening of a part by means of screw connections, consisting of a pulling bush (4) with an internal thread (5), which can be screwed onto the end of the thread (3) of the screw, with an external thread (6), and with a pressing bush (7), which can be screwed onto the external thread and which is supported on the part (1) that is to be tightened by means of the screw connection. The internal thread (8) of said pressing bush engages inside the external thread of the pulling bush while being situated at a distance of a number of turns of the thread from the end of the pulling bush facing the part to be tightened. The external thread also serves to screw on a pulling bush (24) of a hydraulic screw tightening cylinder (18). This hydraulic screw tightening cylinder has a supporting bush (20), which encircles the pressing sleeve, is also supported on the part that is to be tightened by means of the screw connection, and which overlaps the pulling bush and pressing bush.

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