

Title (en)
Element for clamping and supporting

Title (de)
Spann-und Stützelement

Title (fr)
Élément de fixation et support

Publication
EP 1179392 A3 20030709 (DE)

Application
EP 01111589 A 20010512

Priority
DE 10024981 A 20000519

Abstract (en)
[origin: DE10024981A1] The device has a hydraulic piston, engaging on a component to hold it. The hollow piston (1) is guided in a cylinder housing (2) so that due to the hydraulic charge, friction forces are generated between piston and cylinder housing, when these are extended. The forces retain the piston in position against external actions. The piston has a central wall section (5) of reduced thickness, which is deformed under hydraulic pressure charge and engages on the inner cylinder housing wall.

IPC 1-7
B25B 5/06; B23Q 3/10

IPC 8 full level
B25B 5/06 (2006.01)

CPC (source: EP)
B25B 5/061 (2013.01)

Citation (search report)
• [X] WO 0003826 A1 20000127 - VEKTEK INC [US]
• [X] EP 0899061 A2 19990303 - SCHUNK GMBH & CO KG [DE]
• [X] DE 1901283 A1 19700730 - ROEMHELD KG A
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• [A] FR 2002563 A1 19691017 - BEMBERG AG
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DE202016002983U1; DE202016000391U1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
DE 10024981 A1 20011122; DE 50113285 D1 20080103; EP 1179392 A2 20020213; EP 1179392 A3 20030709; EP 1179392 B1 20071121; ES 2296683 T3 20080501

DOCDB simple family (application)
DE 10024981 A 20000519; DE 50113285 T 20010512; EP 01111589 A 20010512; ES 01111589 T 20010512