

Title (en)
Wrench with adjustable opening

Title (de)
Greifzange mit verstellbarer Maulweite

Title (fr)
Pince à ouverture variable

Publication
EP 0824996 B1 20010919 (DE)

Application
EP 97110983 A 19970702

Priority
DE 19634082 A 19960823

Abstract (en)
[origin: EP0824996A1] The grip handle (1) and/or lever (2) partially enclose a space in the area of the joint (5). The pivot pin (6) is pressed into the space against the tension of a helical spring. The end of the spring opposite to the pivot has an associated washer as abutment. This closes the space, so that it is protected against dirt, damage and/or loss of the spring. The pivot pin forms an adjusting element for gripping position and adjustment position. The helical spring engages at least partially into a bore in the pivot pin. This has two parts of different diameters.

IPC 1-7
B25B 7/10

IPC 8 full level
B25B 7/10 (2006.01)

CPC (source: EP)
B25B 7/10 (2013.01)

Cited by
US7455000B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IT LI NL

DOCDB simple family (publication)
EP 0824996 A1 19980225; EP 0824996 B1 20010919; AT E205765 T1 20011015; DE 19634082 A1 19980226; DE 29620588 U1 19970403; DE 59704644 D1 20011025

DOCDB simple family (application)
EP 97110983 A 19970702; AT 97110983 T 19970702; DE 19634082 A 19960823; DE 29620588 U 19961127; DE 59704644 T 19970702