

Title (en)
SPANNER

Title (de)
SPANNZANGE

Title (fr)
PINCE DE SERRAGE

Publication
EP 1360040 B1 20070627 (DE)

Application
EP 02708316 A 20020126

Priority
• DE 10105653 A 20010208
• EP 0200832 W 20020126

Abstract (en)
[origin: WO02062533A2] The invention relates to a spanner for hexagonal shaped objects (5), comprising an upper and lower jaw (1 or 2), which are respectively connected in a single-piece to the limb of a handle (4 or 3). Both jaws (1, 2) are connected together in a pivoting manner in a length-adjustable single joint (6). The upper jaw (1) comprises a flat, smooth clamping surface (9) and a stop (10). The lower jaw (2) comprises a curved convex, flat clamping cam surface (11), which lies adjacent to a respectively associated lower flank surface (12) for all hexagonal objects (5) of all wrench sizes which are to be accommodated.

IPC 8 full level
B25B 7/02 (2006.01); **B25B 7/10** (2006.01)

CPC (source: EP US)
B25B 7/02 (2013.01 - EP US); **B25B 7/10** (2013.01 - EP US)

Designated contracting state (EPC)
ES FR GB IT

DOCDB simple family (publication)
WO 02062533 A2 20020815; WO 02062533 A3 20021010; AU 2002242695 A1 20020819; DE 10105653 C1 20020905;
EP 1360040 A2 20031112; EP 1360040 B1 20070627; ES 2284826 T3 20071116; US 2004129117 A1 20040708; US 7044033 B2 20060516

DOCDB simple family (application)
EP 0200832 W 20020126; AU 2002242695 A 20020126; DE 10105653 A 20010208; EP 02708316 A 20020126; ES 02708316 T 20020126;
US 46728704 A 20040116