

Title (en)
RATCHET TYPE RING SPANNER

Title (de)
RINGSCHLÜSSEL DES RATSCHEN-TYPS

Title (fr)
CLE FERMEE A ROCHET

Publication
EP 0994765 A4 20000524 (EN)

Application
EP 98926406 A 19980609

Priority
• US 9811796 W 19980609
• US 87160497 A 19970609

Abstract (en)
[origin: WO9856539A1] A ratchet-type ring spanner includes a handle (11) and a head portion (10) which, in turn, includes a circular peripheral wall (10a) defining a receiving compartment (12) and including a web area (10b) which connects with the handle (11), a cavity (13) being defined in the web area (10b). A ratchet wheel (20) is received in the compartment (12) and includes a plurality of teeth (21) in its outer periphery and a polygonal inner periphery. A pawl (14) is mounted in the cavity (13) and includes a plurality of teeth (142) defined on a first side for engaging with the teeth (21) of the ratchet wheel (20) and a second side bearing against a wall defining the cavity (13). A stop member (15) is mounted in the cavity (13) and includes a first end thereof bearing against the wall defining the cavity (13). A spring (16) is mounted between the stop member (15) and the toothed member to bias the toothed member away from the stop member (15).

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IPC 8 full level
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CPC (source: EP KR)
B25B 13/46 (2013.01 - KR); **B25B 13/462** (2013.01 - EP); **B25B 13/463** (2013.01 - EP)

Citation (search report)
• [PX] EP 0810068 A1 19971203 - HAND TOOL DESIGN CORP [US]
• [E] DE 29808840 U1 19980806 - MCCANN FRANK [TW]
• [A] DE 3818470 A1 19890302 - MUELLER HANS JOACHIM [DE]
• [A] DE 921198 C 19541209 - THIENES FRIEDRICH WILHELM
• See references of WO 9856539A1

Cited by
US10688631B2; USD912483S; USD947630S

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

DOCDB simple family (publication)
WO 9856539 A1 19981217; AU 7825198 A 19981230; BR 9809997 A 20000801; CA 2293796 A1 19981217; CA 2293796 C 20050517; CN 1262640 A 20000809; EP 0994765 A1 20000426; EP 0994765 A4 20000524; ID 23993 A 20000614; IL 133344 A0 20010430; JP 2002504028 A 20020205; KR 20010013622 A 20010226

DOCDB simple family (application)
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