

Title (en)

WRENCHES FOR REMOVING THREADED FILTERS OR THE LIKE

Publication

**EP 0343039 B1 19920701 (FR)**

Application

**EP 89401300 A 19890510**

Priority

FR 8806538 A 19880516

Abstract (en)

[origin: EP0343039A1] This concerns a wrench for removing a ribbed filter cap, comprising a rigid ring (6) capable of surrounding the ribbed portion of the cap and having a non-circular internal contour (7) capable of cooperating with the ribbing for the purpose of angular engagement, a rigid handle (8) being mounted pivotably on the ring (6) about an axis (Y) parallel to that (X) of the ring, in such a way that the angular displacements of this handle are limited by buttressing from its radial position for the direction corresponding to the removal of the cap (arrow F), and, in contrast, remain free in the opposite direction, and obstructing means (14) provided on the ring so that the wrench is able to engage around the cap to be removed only when facing the right way. The pivoting axis (Y) of the handle is arranged in the immediate vicinity of the ring. <IMAGE>

IPC 1-7

**B25B 13/48**; **B25B 27/00**

IPC 8 full level

**B25B 13/48** (2006.01); **B25B 23/16** (2006.01); **B25B 27/00** (2006.01); **B25G 1/04** (2006.01)

CPC (source: EP)

**B25B 13/48** (2013.01); **B25B 23/16** (2013.01); **B25B 27/0042** (2013.01); **B25G 1/043** (2013.01)

Cited by

FR2705048A1; CN102560924A; US6423222B1; FR2723872A1; FR2731262A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0343039 A1 19891123**; **EP 0343039 B1 19920701**; DE 68901952 D1 19920806; DE 68901952 T2 19921210; ES 2032664 T3 19930216; FR 2631276 A1 19891117; FR 2631276 B1 19930806

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