

Title (en)

Multi-purpose tool, in particular for fire-fighters

Title (de)

Universalwerkzeug, insbesondere für Sondereinsatzkräfte

Title (fr)

Outil universel, notamment pour pompiers

Publication

**EP 1500474 A3 20050406 (DE)**

Application

**EP 04400038 A 20040723**

Priority

DE 10334923 A 20030725

Abstract (en)

[origin: EP1500474A2] Universal tool comprises a base element (G) as a multifunctional tool consisting of a curved lever part (1) and a spanner part (2). The lever part is connected to the spanner part via a hinge (3) and can be moved from a closed into an open position. At least one additional element (Z) formed as a multifunctional tool is removably connected to the base element so that the additional element is attached in the form of an extension to the end of the spanner part facing away from the lever part in the direction of a longitudinal axis in a form-locking and force-locking manner. An independent claim is also included for an alternative universal tool comprising an additional element in the form of a curved saw that pivots about a support point.

IPC 1-7

**B25F 1/02**; **B25F 1/04**; **A62B 3/00**

IPC 8 full level

**B25F 1/02** (2006.01); **B25F 1/04** (2006.01); **A62B 3/00** (2006.01)

CPC (source: EP)

**B25F 1/02** (2013.01); **B25F 1/04** (2013.01); **A62B 3/005** (2013.01)

Citation (search report)

- [DA] EP 1163981 A1 20011219 - WIST BERNHARD [CH]
- [DA] US 6308355 B1 20011030 - MCMILLAN STEWART G [US], et al
- [DA] DE 20206041 U1 20021002 - LIN MING HSUAN [TW]
- [A] FR 2788461 A1 20000721 - OLIVERA GILLES D [FR]

Cited by

FR2944726A1; EP2292389A3; CN109794021A; DE202015001554U1; PT106848A; PT106848B; US9517569B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1500474 A2 20050126**; **EP 1500474 A3 20050406**; **EP 1500474 B1 20061108**; AT E344714 T1 20061115; DE 10334923 B3 20041216; DE 502004001937 D1 20061221; ES 2276258 T3 20070616; PL 1500474 T3 20070430; PT 1500474 E 20070131

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