

Title (en)  
Multi-purpose folding tool

Title (de)  
Klappbares Mehrzweckwerkzeug

Title (fr)  
Outil pliable multi-usage

Publication  
**EP 0834381 A3 19980930 (EN)**

Application  
**EP 97117231 A 19971006**

Priority  
• US 72496396 A 19961007  
• US 72496496 A 19961007

Abstract (en)  
[origin: EP1262286A1] According to the invention a locking mechanism for a multi-purpose folding tool comprises: a handle (22,24) including a flat, resilient leaf spring (132) at one end (86) of said handle and a slot (136) through said leaf spring (132) adjacent the free end thereof, said slot being bordered across said free end by a transverse, flat stock (140); at least one tool (76) rotatably connected to said handle (22, 24) for rotation between a closed state within said handle and an open state extending from said handle, said tool having a peripheral portion including a peripheral notch (164) positioned to snugly receive said stock (140) therein, when said tool (76) is extended, the spring bias of said leaf spring (132) maintaining said stock (140) in said notch (164) to positively lock said extended tool (76), and means (166) for releasing said stock (140) from said notch (154, 164).  
<IMAGE>

IPC 1-7  
**B25F 1/00**; **B25F 1/04**; **B25G 1/08**; **B25B 7/02**

IPC 8 full level  
**B25F 1/00** (2006.01)

CPC (source: EP)  
**B25F 1/003** (2013.01); **B25F 1/04** (2013.01)

Citation (search report)  
• [DYA] US 4238862 A 19801216 - LEATHERMAN TIMOTHY S [US]  
• [DY] US 5062173 A 19911105 - COLLINS MICHAEL C [US], et al  
• [DA] US 5267366 A 19931207 - FRAZER SPENCER [US]  
• [DYA] US 1561993 A 19251117 - FREDERIK NIELSEN  
• [Y] US 2851704 A 19580916 - ZOELLER HUGO E  
• [A] EP 0100377 A1 19840215 - VOSLAMBER BRAM J  
• [DA] US 4662252 A 19870505 - WARHEIT WILLIAM A [US]  
• [A] US 1696323 A 19281225 - ISAAC PATRICK

Cited by  
CN105773539A; CN115139233A; US7516550B2; WO2023201025A1

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

DOCDB simple family (publication)  
**EP 0834381 A2 19980408**; **EP 0834381 A3 19980930**; **EP 0834381 B1 20031210**; AT E255982 T1 20031215; AU 3932397 A 19980528; AU 705160 B2 19990513; CA 2217117 A1 19980407; CA 2217117 C 20011204; DE 69726678 D1 20040122; EP 1262286 A1 20021204

DOCDB simple family (application)  
**EP 97117231 A 19971006**; AT 97117231 T 19971006; AU 3932397 A 19971001; CA 2217117 A 19970930; DE 69726678 T 19971006; EP 01126061 A 19971006