

Title (en)  
Vice-grip pliers

Title (de)  
Schraubstockzange

Title (fr)  
Pince étau

Publication  
**EP 1504848 B1 20111116 (FR)**

Application  
**EP 04356143 A 20040730**

Priority  
FR 0309613 A 20030804

Abstract (en)  
[origin: EP1504848A1] The pliers have a casing (2) with two wings (3), each having a notched slot (4) receiving an upper jaw (6) and a lower jaw (8). The upper jaw is fixed with respect to the casing, and the lower jaw has an articulation axle (13) whose ends are arranged in the slot, and a jaw locking mechanism. Each end of the articulation axle has a support unit against an external face of each wing.

IPC 8 full level  
**B25B 7/12** (2006.01); **B25B 7/10** (2006.01)

CPC (source: EP)  
**B25B 7/10** (2013.01); **B25B 7/123** (2013.01)

Cited by  
CN109921255A; US11025024B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1504848 A1 20050209; EP 1504848 B1 20111116**; AT E533593 T1 20111215; FR 2858575 A1 20050211; FR 2858575 B1 20060317

DOCDB simple family (application)  
**EP 04356143 A 20040730**; AT 04356143 T 20040730; FR 0309613 A 20030804