Title (en)

Multifunctional pliers

Title (de)

Mehrzweckzange

Title (fr)

Pince d'usinage à fonctions multiples

Publication

EP 0865880 B1 20000405 (FR)

Application

EP 96402671 A 19961209

Priority

EP 96402671 A 19961209

Abstract (en)

[origin: EP0865880A1] The pliers consist of a body (1), which is fitted with a fixed branch (10), with a grip handle (13) at one end. A second branch (11), which also has a similar grip handle (14), is designed to move, relative to the body, around a pivot axis (12). A knee mechanism (22) is added to transform the rotational movement of the second branch, into translational movement of the blade (8). The two branches of the pliers are sufficiently close together to allow them to be gripped and used in one hand. The moving branch is designed to be close enough to the fixed branch to allow operation by the contraction of the fingers towards the palm. The hand action produces a sliding motion in the blade, through a pivot axis (29), from a control link arm (23), which is fitted so as to rotate, relative to the body, around a fixed pivot (28), when activated by a push rod (24), from the second branch.

IPC 1-7 (main, further and additional classification)

B25B 7/12; B21D 39/03; B26B 17/02

IPC 8 full level (invention and additional information)

B21D 39/03 (2006.01); **B25B 7/12** (2006.01); **B26B 17/02** (2006.01)

CPC (invention and additional information)

B26B 17/02 (2013.01); **B21D 39/034** (2013.01); **B25B 7/12** (2013.01)

Cited by

FR2969950A1; FR2969951A1; EP1610080A3; US2016279765A1; US10195721B2; WO2007093145A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI GB GR IE IT LI LU NL PT SE

DOCDB simple family

EP 0865880 A1 19980923; EP 0865880 B1 20000405; AT 191386 T 20000415; DE 69607645 D1 20000511; DE 69607645 T2 20001123; DK 0865880 T3 20000911; ES 2147352 T3 20000901; GR 3033912 T3 20001130; PT 865880 E 20000929