

Title (en)

MULTI-PURPOSE HAND TOOL INCLUDING IMPLEMENT POSITION LOCKING AND RELEASE MECHANISM

Title (de)

MEHRZWECK-HANDWERKZEUG MIT VERRIEGELUNGS- UND LÖSE-MECHANISMUS DER EINHEITEN

Title (fr)

OUTIL A MAIN POLYVALENT, COMPRENANT UN MECANISME DE BLOCAGE EN POSITION ET DE DEGAGEMENT D'OUTIL

Publication

**EP 1112150 A1 20010704 (EN)**

Application

**EP 99903389 A 19990125**

Priority

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Abstract (en)

[origin: WO9937446A1] A combination tool (20) including a pliers jaw mechanism (22) and two handles (56, 56') that pivot about the lugs (32, 38) of the jaw mechanism (22) between open and closed positions. The externally facing surfaces of the handles (56, 56') are dished to conform to the sides of the jaw mechanism when the handles (56, 56') are closed. The jaw lugs (32, 38) include cam surfaces over which corresponding surfaces of the handles ride to provide detents for the handles in the open and closed positions. The handles each house multiple blades (82), each independently rotatable on a common axle (84) between a closed position within the handle and an open position extending from the handle. Each blade (82) is positively but releasably locked into its open position. Those blades which remain closed are biased toward the closed position when the opened blade is locked into position and also as it is opened and closed. A single locking, releasing and biasing mechanism (108) serves all of the blades in one handle.

IPC 1-7

**B25B 7/22**

IPC 8 full level

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CPC (source: EP)

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