

Title (en)
Screwing, rotating and holding tools at the basic of spiral winding ribbons

Title (de)
Schraub-, Dreh- und Haltewerkzeuge auf der Basis spiralig gewundener Bänder

Title (fr)
Outils à visser, à tourner et de support sur la base des rubans en spiral

Publication
EP 1138441 A3 20011031 (DE)

Application
EP 01105844 A 20010309

Priority
DE 10014821 A 20000328

Abstract (en)
[origin: EP1138441A2] The hand tool has a spirally wound tape (1) fastened to a fixed point at the inner end (3), and the other end (2) for pulling. If the fixed point is located on e.g. a screw nut (27), traction applied to the outer end, the band is pulled tightly together, the fixed point is pressed against the nut with increasing pressure. This applies a turning force to the nut and generates a holding effect. The tool may be a screw driver tool, independent of size and shape of nuts, a universal replacement for pipe wrench, suspension or holding tools, retention tape for the forestry industry, to prevent damage to timber during felling.

IPC 1-7
B25B 13/52; **B67B 7/18**

IPC 8 full level
B25B 13/52 (2006.01)

CPC (source: EP)
B25B 13/52 (2013.01)

Citation (search report)

- [XAY] US 5323671 A 19940628 - HEBERT FREDDIE P [US]
- [XAY] US 747679 A 19031222 - BLISS CHARLES FREDRICK [US]
- [XA] US 5458027 A 19951017 - RAMBIN GLEN D [US]
- [XA] US 4150592 A 19790424 - MOTT PHILIP G [US]
- [X] US 2880633 A 19590407 - LARSON DOROTHY K
- [X] DE 2145632 A1 19730517 - BREMA WERK HANS BRECHENMACHER
- [X] US 4872654 A 19891010 - SEELE HAROLD A [US]
- [Y] CH 251815 A 19471130 - BADEL JEAN [CH], et al
- [A] FR 545717 A 19221019 - MAQUET BOUQUET & CIE
- [A] FR 488360 A 19180924 - FASTNUT LTD [GB]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)

Cited by
WO2013117291A1

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EP 1138441 A2 20011004; **EP 1138441 A3 20011031**; DE 10065978 A1 20011115; DE 10065978 C2 20020508; DE 10065979 A1 20011220

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