

Title (en)
Hand-held power tool

Title (de)
Kraftgetriebenes Handwerkzeug

Title (fr)
Outil à main motorisé

Publication
EP 0962283 B1 20031210 (DE)

Application
EP 99106257 A 19990414

Priority
DE 19824387 A 19980530

Abstract (en)
[origin: EP0962283A1] The device has a tool (22) fixed between a holder part (14) at the tool-sided end (12) of the working spindle (11), and a fastener flange (15). The flange is rigidly connected to an axially moveable tension bolt (17), which passes through an expander element (19). The element is used to tension the bolt against the working spindle. An intermediate flange (16) connected to the expander element is located between holder part and flange. The bolt has a conical tension part (18) acting with an expander cone (20) on the expander element.

IPC 1-7
B24B 45/00; **B24B 23/04**

IPC 8 full level
B24B 23/04 (2006.01); **B24B 45/00** (2006.01)

CPC (source: EP)
B24B 23/04 (2013.01); **B24B 45/006** (2013.01)

Cited by
CN113547460A; DE102005047402A1; DE102005047402B4; US2017291277A1; US10131032B2; USD871185S; USD924030S; US10265778B2; US10702927B2; US10137592B2; US10940605B2; US11724413B2; US10040186B2; US10245716B2; US10792801B2; US11235452B2; USD832666S; US10124461B2; US10207385B2; USD856766S; USD873099S; USD884444S; US11045919B2; US11097396B2; US11498180B2

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
DE 19824387 A1 19991202; DE 59907988 D1 20040122; EP 0962283 A1 19991208; EP 0962283 B1 20031210; ES 2210883 T3 20040701

DOCDB simple family (application)
DE 19824387 A 19980530; DE 59907988 T 19990414; EP 99106257 A 19990414; ES 99106257 T 19990414