

Title (en)
Hand-actuated tool

Title (de)
Handbetätigtes Werkzeug

Title (fr)
Outil à actionnement manuel

Publication
EP 0645194 B1 19971217 (DE)

Application
EP 94114850 A 19940921

Priority
AT 194093 A 19930927

Abstract (en)
[origin: EP0645194A2] The hand-actuated tool has a handle (12) pivotable relative to a housing (1). A push rod (2) mounted in the housing (1) is mounted such that it can be axially displaced gradually by means of the handle (12). The push rod (2) passes through cant blocks (8) between bearings (5, 6) carrying it. The cant blocks (8) are provided in pairs in symmetrical arrangement. These cant blocks (8), in the section through which the push rod (2) passes, are loaded by a spring (10) supported on the housing (1). The force exerted on the cant blocks (8) by the spring (10) is directed against the displacement direction of the push rod (2). The adjusting force exerted by the handle (12) acts on the two cant blocks (8) in each case in the outer area. At least one brake block (14) is provided to hold the push rod (2) in position. The brake blocks (14) are also provided in symmetrical arrangement relative to the axis of the push rod (2). <IMAGE>

IPC 1-7
B05C 17/01

IPC 8 full level
B05C 17/01 (2006.01)

CPC (source: EP US)
B05C 17/01 (2013.01 - EP US)

Citation (examination)

- US 4009804 A 19770301 - COSTA CHARLES R, et al
- US 2726802 A 19551213 - JONES HARRY E
- US 2582156 A 19520108 - PETERSON WILBUR P
- US 2530359 A 19501114 - PETERSON WILBUR P
- GB 1011470 A 19651201 - EXPANDITE LTD
- US 4566610 A 19860128 - HERB ARMIN [DE]

Cited by
US6745921B2; AT406452B; CN111188482A; CN111576817A; CN111576816A; EP0830900A2; EP1233210A2

Designated contracting state (EPC)
DE DK FR GB

DOCDB simple family (publication)
EP 0645194 A2 19950329; EP 0645194 A3 19950802; EP 0645194 B1 19971217; AT 401623 B 19961025; AT A194093 A 19960315; DE 59404816 D1 19980129; DK 0645194 T3 19980824; US 5511699 A 19960430

DOCDB simple family (application)
EP 94114850 A 19940921; AT 194093 A 19930927; DE 59404816 T 19940921; DK 94114850 T 19940921; US 30994694 A 19940921