

Title (en)
MANUALLY ACTUABLE COMBINATION TOOLS

Publication
EP 0033245 B1 19840411 (EN)

Application
EP 81300332 A 19810126

Priority
GB 8002523 A 19800125

Abstract (en)
[origin: EP0033245A1] A combination tool including a number of metal working devices (121 and 123, 126 and 127, 135 and 137, 131 and 133, 134 and 138 and 140) for working wire, rod, bar or sheet materials. The tool is actuated by a single manual lever (118), each metal working device being operable by displacement of said lever in one direction or the other, to effect such metal working operations as cropping, shearing, punching, bending, rolling, and rivetting and, in one form, scroll work. The tool basically comprises a base plate (111), presenting elements of the working tools, a drive member (113), pivotally connected to the base plate and presenting elements of the working tools for co-operation with the elements presented by the base plate, and the hand lever for effecting pivotal displacement of the drive member relative to the base plate to simultaneously work said working devices.

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B26D 9/00

IPC 8 full level
B21F 1/00 (2006.01); **B26D 5/16** (2006.01); **B26D 9/00** (2006.01)

CPC (source: EP)
B21F 1/00 (2013.01); **B21F 1/002** (2013.01); **B21F 99/00** (2013.01); **B26D 5/16** (2013.01)

Citation (examination)
• FR 2361982 A1 19780317 - BORNAND RENE [CH]
• US 1736559 A 19291119 - EDWIN VOLLRATH

Cited by
US7076866B2

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AT BE CH DE FR GB IT LI LU NL SE

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