

Title (en)

POWERED HAND-HELP APPLIANCE FOR DOMESTIC AND INDUSTRIAL USE

Title (de)

MOTORBETRIEBENES HANDGERÄT FÜR HAUSHALT UND GEWERBE

Title (fr)

APPAREIL TENU A LA MAIN ENTRAINE PAR UN MOTEUR, A USAGE DOMESTIQUE ET INDUSTRIE

Publication

EP 0907467 A1 19990414 (DE)

Application

EP 97923704 A 19970606

Priority

- CH 9700228 W 19970606
- CH 144196 A 19960610

Abstract (en)

[origin: WO9747439A1] The hand-held implement has a fixed motor and a hand-held appliance part (1) on which a tool (11) is mounted. The hand-held appliance part is connected to the fixed motor (2) via a driving shaft (7) and a Bowden cable (8) only. The hand-held appliance part (1) has a slide (9), moving which operates the Bowden cable (8). The fixed motor (2) is thereby switched on and off and controlled, its output being adjusted according to the amount of draft applied to the Bowden cable. To produce high torque, the hand-held appliance part (1) incorporates a worm gear pair wherein the driving shaft (7) leading to the appliance part drives a worm that engages with a worm wheel, the driven axle of which projects from the housing (1), enabling a large number of different tools to be mounted on the driven axle (12).

IPC 1-7

B25F 3/00; **A46B 13/02**; **A47L 17/00**; **B08B 3/04**

IPC 8 full level

A46B 13/00 (2006.01); **A46B 13/02** (2006.01); **A47L 17/00** (2006.01); **B08B 3/04** (2006.01); **B25F 3/00** (2006.01); **F16C 1/00** (2006.01); **F16C 1/16** (2006.01)

CPC (source: EP US)

A46B 13/008 (2013.01 - EP US); **F16C 1/00** (2013.01 - EP US); **F16C 1/16** (2013.01 - EP US)

Citation (search report)

See references of WO 9747439A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9747439 A1 19971218; AU 2947697 A 19980107; EP 0907467 A1 19990414; US 6041462 A 20000328

DOCDB simple family (application)

CH 9700228 W 19970606; AU 2947697 A 19970606; EP 97923704 A 19970606; US 19463798 A 19981130