

Title (en)

Electric hand tool

Title (de)

Elektrohandwerkzeug

Title (fr)

Outil électrique à main

Publication

EP 1127644 A3 20020109 (DE)

Application

EP 01103858 A 20010216

Priority

DE 10008315 A 20000223

Abstract (en)

[origin: EP1127644A2] The tool has a gear (16,18) on a drive shaft (12) for each gear stage and a corresponding gear (24,26) on a driven shaft (14) to mesh with it. The gears of different stages have different diameters, where at least one gear slides axially on a shaft to change gears. A larger-diameter gear (18,26) on at least one shaft has inner teeth (20,28), which correspond to outer teeth (22,30) of a smaller gear (16,24) on the same shaft. The gear with the larger outer diameter can slide onto the gear with the smaller diameter.

IPC 1-7

B23B 45/00; **B25F 5/00**

IPC 8 full level

B23B 45/16 (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP)

B25F 5/001 (2013.01)

Citation (search report)

- [XA] DE 19848073 A1 19990610 - MAKITA CORP [JP]
- [A] DE 3234571 A1 19830428 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] DE 3934283 A1 19900503 - HITACHI KOKI KK [JP]

Cited by

DE102006061600A1; CN103538037A; CN102470521A; US9415497B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1127644 A2 20010829; **EP 1127644 A3 20020109**; **EP 1127644 B1 20060426**; AT E324213 T1 20060515; DE 10008315 A1 20010906; DE 50109580 D1 20060601

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