

Title (en)

SWITCHABLE PLANETARY GEAR SET IN A HANDHELD MACHINE TOOL

Title (de)

SCHALTBARES PLANETENGETRIEBE IN EINER HANDWERKZEUGMASCHINE

Title (fr)

ENGRENAGE PLANÉTAIRE COMMUTABLE DANS UNE MACHINE-OUTIL PORTATIVE

Publication

EP 2358502 A1 20110824 (DE)

Application

EP 09736979 A 20091021

Priority

- EP 2009063776 W 20091021
- DE 102008043795 A 20081117

Abstract (en)

[origin: WO2010054916A1] A switchable planetary gear set in a handheld machine tool (1) has a plurality of planet carriers (8, 9, 10) with associated planet gears (12, 13, 14) and can be adjusted between at least two gear stages, wherein the gear stages can be engaged by means of an adjustable switching ring gear (16). At least three planet carriers (8, 9, 10) with associated planet gears (12, 13, 14) are provided so as to be situated axially one behind the other, wherein in a position in which it is fixed with respect to a housing, the switching ring gear (16) is rotationally coupled to the planet gears on the planet carrier of the second stage (13) and simultaneously to the planet gears on the planet carrier of the third stage (14).

IPC 8 full level

B25B 21/00 (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP US)

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