

Title (en)

HAND-HELD MACHINE TOOL HAVING AN ELECTRONICALLY COMMUTATED ELECTRIC MOTOR AS DIRECT DRIVE

Title (de)

HANDWERKZEUGMASCHINE MIT ELEKTRONISCH KOMMUTIERTEM ELEKTROMOTOR ALS DIREKTANTRIEB

Title (fr)

MACHINE-OUTIL À MAIN ÉQUIPÉE D'UN MOTEUR ÉLECTRIQUE À COMMUTATION ÉLECTRONIQUE COMME ENTRAÎNEMENT DIRECT

Publication

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Application

EP 15717458 A 20150414

Priority

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- EP 2015058014 W 20150414

Abstract (en)

[origin: WO2015192994A1] The invention relates to a hand-held machine tool (10), in particular an angle grinder, comprising an electric-motor drive (12) which has an electronically commutated electric motor (12), said electric-motor drive being provided to drive a machining tool (22), and having a machining tool (22). It is proposed that the electronically commutated electric motor (12) has an outer diameter d_{motor} , wherein the ratio of the outer diameter d_{motor} of the electronically commutated electric motor (12) to a diameter d_{tool} of the machining tool (22) is a maximum of 0.42, in particular a maximum of 0.39, although preferably a maximum of 0.32.

IPC 8 full level

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CPC (source: CN EP US)

B24B 23/028 (2013.01 - CN EP US); **B25F 5/00** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2015192994A1

Cited by

US11837935B2; US11870316B2; US11876424B2; US11955863B2

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