

Title (en)
HANDHELD MACHINE TOOL, IN PARTICULAR IMPACT DRIVER

Title (de)
HAND-WERKZEUGMASCHINE, INSBESONDERE SCHLAGSCHRAUBER

Title (fr)
MACHINE-OUTIL PORTATIVE, EN PARTICULIER CLÉ À CHOC

Publication
EP 3829819 A1 20210609 (DE)

Application
EP 19730344 A 20190612

Priority
• DE 102018118196 A 20180727
• EP 2019065405 W 20190612

Abstract (en)
[origin: WO2020020531A1] The invention relates to a handheld machine tool, in particular an impact driver, having a drive train (20) for driving a tool receptacle (90), provided for receiving a tool (19), in particular a screwdriver tool, about a rotation axis (D), wherein the drive train (20) comprises a drive motor (21), an output shaft element (80), on which the tool receptacle (90) is arranged, and a drive shaft (48), which is drivable by the drive motor (21), for driving the output shaft element (80), wherein the output shaft element (80) is rotatably mounted by means of an output pivot bearing (83) and the drive shaft (48) is rotatably mounted by means of a drive pivot bearing (50) about the rotation axis (D) in respect of a machine housing (11), and wherein the output shaft element (80) is rotatably mounted by means of a shaft bearing arrangement (49) on the drive shaft (48) about the rotation axis (D). According to the invention, the shaft bearing arrangement (49) has at least two shaft bearings (49A, 49B), which are arranged adjacent to each other in relation to the rotation axis (D) and differ by at least one mechanical property.

IPC 8 full level
B25B 21/02 (2006.01)

CPC (source: EP US)
B25B 21/02 (2013.01 - EP US)

Citation (search report)
• [X] US 3175660 A 19650330 - KAMAN FRANK A
• [X] DE 2543768 A1 19770414 - BOSCH GMBH ROBERT
• [X] US 3952814 A 19760427 - GELFAND MIKHAIL LVOVICH, et al
• [X] DE 202007001274 U1 20070628 - CHUNG LEE HSIN CHIH [TW]
• See also references of WO 2020020531A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 3829819 A1 20210609; JP 2021532998 A 20211202; JP 7379461 B2 20231114; US 11986929 B2 20240521; US 2021291329 A1 20210923

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