

Title (en)

QUICK CHANGE AUXILIARY HANDLE FOR POWER TOOL

Title (de)

SCHNELL WECHSELBARER HILFSGRIF FÜR ELEKTROWERKZEUG

Title (fr)

POIGNÉE AUXILIAIRE À CHANGEMENT RAPIDE POUR OUTIL ÉLECTRIQUE

Publication

EP 3991920 A1 20220504 (EN)

Application

EP 21197896 A 20210921

Priority

US 202017085356 A 20201030

Abstract (en)

A power tool 100) comprises an adjustable auxiliary handle assembly (108) that facilitates safe use of the tool by the operator while allowing convenient carry and storage of the tool when not in use. The adjustable auxiliary handle assembly comprises an indexing mechanism that includes an angled connector (114), a slidable latching mechanism (126) and a handle base (130). The indexing mechanism allows a longitudinal handle to rotate and be locked in a position convenient and comfortable to the operator. The indexing mechanism is adjustable and can be operated with one hand (e.g., one-handed operation). The latching mechanism holds the auxiliary handle position in place while allowing the power tool to be used in high-torque/high load applications.

IPC 8 full level

B25F 5/02 (2006.01)

CPC (source: CN EP)

B25F 5/026 (2013.01 - EP); **B25G 1/00** (2013.01 - CN); **B25G 3/00** (2013.01 - CN)

Citation (search report)

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- [A] US 2007212991 A1 20070913 - IZMAILOV ASSAN [US]
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- [A] DE 102015014559 A1 20160519 - MAKITA CORP [JP]
- [AP] EP 3785862 A1 20210303 - INGERSOLL RAND IND U S INC [US]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3991920 A1 20220504; CN 114434398 A 20220506

DOCDB simple family (application)

EP 21197896 A 20210921; CN 202111253516 A 20211027