

Title (en)

SWITCH FOR MACHINE TOOL AND SWITCHING LOGIC

Title (de)

SCHALTER FÜR WERKZEUGMASCHINE UND SCHALTLOGIK

Title (fr)

COMMUTATEUR POUR MACHINE-OUTIL ET LOGIQUE DE COMMUTATION

Publication

EP 3774178 B1 20240501 (DE)

Application

EP 19711605 A 20190320

Priority

- EP 18166226 A 20180409
- EP 2019056925 W 20190320

Abstract (en)

[origin: WO2019197123A1] A first aspect of the invention relates to a method for controlling a machine tool, the machine tool comprising a control device, a drive, a tool, an actuation switch and a locking switch. The method comprises the following method steps: - activating the actuation switch by exerting a force in the direction of the actuation switch in order to switch the machine tool from a deactivation mode to an activation mode, therefore setting the drive to a first predefined rotational speed value; - deactivating the actuation switch, therefore stopping the force in the direction on the actuation switch, the drive being set at the first predefined rotational speed value for a predefined period of time; - activating the locking switch within the first predefined period of time after the actuation switch has been deactivated, therefore setting the drive to a predefined second rotational speed value; and - activating the actuation switch by exerting a force in the direction of the actuation switch or activating the locking switch by exerting a force in the direction of the locking switch in order to switch the machine tool from the activation mode to the deactivation mode. A second aspect of the invention relates to a machine tool for performing the method.

IPC 8 full level

B24B 23/00 (2006.01); **B24B 23/02** (2006.01); **B25F 5/00** (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP US)

B24B 23/00 (2013.01 - EP); **B24B 23/02** (2013.01 - EP US); **B25F 5/00** (2013.01 - EP); **B25F 5/02** (2013.01 - EP US); **B25F 5/001** (2013.01 - 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

DOCDB simple family (publication)

EP 3552760 A1 20191016; CN 111902242 A 20201106; CN 111902242 B 20220524; EP 3774178 A1 20210217; EP 3774178 B1 20240501; JP 2021517077 A 20210715; JP 7069339 B2 20220517; US 11389941 B2 20220719; US 2021146523 A1 20210520; WO 2019197123 A1 20191017

DOCDB simple family (application)

EP 18166226 A 20180409; CN 201980021347 A 20190320; EP 19711605 A 20190320; EP 2019056925 W 20190320; JP 2020554534 A 20190320; US 201917045020 A 20190320