

Title (en)  
Electric power tool and a restart prevention system therefor

Title (de)  
Elektrowerkzeug und Neustartverhinderungssystem dafür

Title (fr)  
Outil électrique et son système de prévention de redémarrage

Publication  
**EP 2886262 A3 20150812 (EN)**

Application  
**EP 14183269 A 20140902**

Priority  
NL 2011696 A 20131029

Abstract (en)  
[origin: EP2886262A2] The present invention relates to an electric power tool, in particular a grinder. The invention comprises a mains connector to be selectively connected to a power supply by a user, a hardware switch, which is operable by a user and an electric drive, in particular an electric motor, wherein the switch is arranged in a connection between the connector and the drive to selectively allow supply of power to the drive with the connector connected to the supply, a restart prevention system, comprising at least one opto-coupler, CHARACTERISED IN THAT the restart prevention system is configured to prevent restart of the drive after temporary disconnection from or interruption of power supply with the switch in a state to supply power to the drive, wherein the opto-coupler is connected to conductors of the connection and there arranged in series with a normally conducting switch part of the switch, which is opened to a non-conductive state in conjunction with user operation of the switch to activate the drive, and the opto-coupler is arranged in a by-pass excluding the switch part of the switch, when the switch part of the switch is in said non-conductive state, to maintain current flow through the opto-coupler while connected via the connection to the power supply. Furthermore the invention relates to a system configured to prevent restart of an electric power tool.

IPC 8 full level  
**B25F 5/00** (2006.01)

CPC (source: EP)  
**B25F 5/00** (2013.01)

Citation (search report)

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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 2886262 A2 20150624; EP 2886262 A3 20150812**; NL 2011696 C2 20150430; RU 2014139650 A 20160420

DOCDB simple family (application)  
**EP 14183269 A 20140902**; NL 2011696 A 20131029; RU 2014139650 A 20140930