

Title (en)

ELECTRICAL DEVICE AS A SYSTEM COMPONENT FOR CONTROLLING A VACUUM CLEANER

Title (de)

ELEKTRISCHES GERÄT ALS SYSTEMKOMPONENTE ZUR ANSTEUERUNG EINES STAUBSAUGERS

Title (fr)

DISPOSITIF ÉLECTRIQUE EN TANT QUE COMPOSANT DE SYSTÈME POUR COMMANDER UN ASPIRATEUR

Publication

EP 3635704 B1 20210728 (DE)

Application

EP 18731031 A 20180607

Priority

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Abstract (en)

[origin: WO2018224629A1] The invention relates to an electrical appliance as a first or second system component (11, 12) for a system (10) which comprises, as a first system component (11), a machine tool (20) or a vacuum cleaner (70, 870) and, as a second system component, an electrical energy storage module (40) for providing electrical energy for the first system component (11), wherein the system components (11, 12) have matching appliance interfaces for being detachably fastened to one another and for transmitting electrical energy from the energy storage module (40) to the machine tool (20) or the vacuum cleaner (70, 870), wherein the electrical appliance has a communication interface for a wireless control connection (S1, S2) to or from a vacuum cleaner (70, 870) for actuating the vacuum cleaner (70, 870) which is provided for vacuuming away dust which is produced by the machine tool (20) and forms either one of the two system components or is a vacuum cleaner (70, 870) which is separate from the system components (11, 12), and wherein the appliance interfaces are electrically and/or mechanically disconnected from one another in a disconnection state and are electrically and/or mechanically connected to one another in an operating state. The electrical appliance is designed to transmit or receive at least one notification message (440) for establishing the control connection (S1, S2) in the event of a changeover from the disconnection state to the operating state and/or for terminating the control connection (S1, S2) and/or for transmitting a switch-off signal for a suction assembly (75) of the vacuum cleaner (70, 870) in the event of a changeover from the operating state to the disconnection state.

IPC 8 full level

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Citation (opposition)

Opponent : Hilti AG

- US 2010199453 A1 20100812 - BROTTIO DANIELE C [US], et al
- EP 2628431 A2 20130821 - FESTOOL GROUP GMBH & CO KG [DE]
- DE 102012003073 A1 20130822 - FESTOOL GROUP GMBH & CO KG [DE]
- WO 2016179271 A1 20161110 - MILWAUKEE ELECTRIC TOOL CORP [US]
- DE 102010040336 A1 20120308 - KAERCHER GMBH & CO KG ALFRED [DE]
- DE 102013222313 A1 20150507 - BOSCH GMBH ROBERT [DE]
- US 2017027400 A1 20170202 - LEE CHANGHOON [KR], et al

Opponent : Nilfisk A/S

- US 2016085253 A1 20160324 - KNIGHT COLIN [US], et al
- US 2016100724 A1 20160414 - VALENTINI GUIDO [IT]
- DE 102012003076 A1 20130822 - FESTOOL GROUP GMBH & CO KG [DE]
- WO 2016179271 A1 20161110 - MILWAUKEE ELECTRIC TOOL CORP [US]
- ANONYMOUS: "Bluetooth Core Specification. V5.0 Excerpt", BLUETOOTH SIG PROPRIETARY, 6 December 2016 (2016-12-06), pages 1-75,561 - 564,649,2639, XP055917309, [retrieved on 20220503]

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