

Title (en)

DEVICE AND METHOD FOR SENSING A CHANGE IN OPERATING STATE OF A POWER TOOL, AND VACUUM CLEANER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERFASSEN EINER BETRIEBSZUSTANDSÄNDERUNG EINES ELEKTROWERKZEUGES SOWIE STAUBSAUGER

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR DÉTECTER UN CHANGEMENT D'ÉTAT DE FONCTIONNEMENT D'UN OUTIL ÉLECTRIQUE AINSI QU'UN ASPIRATEUR

Publication

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Application

**EP 11751875 A 20110829**

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Abstract (en)

[origin: WO2012031925A1] The invention relates to a device (10) for sensing a change in operating state of a power tool (70). In order to provide such a versatile device, the invention proposes that the device (10) is characterized by a transmitting means (12), having at least one sensor element (22, 54, 56), a checking member (18), which is coupled thereto, and a transmitting member (20), which is coupled to the checking member (18), and by a receiving means (14; 102), having a receiving member (44) and a switching element (48), which is coupled thereto, wherein a measurement variable linked to the operating state of the power tool (70) can be sensed by the at least one sensor element (22, 54, 56), and a sensor signal can be supplied thereby, a change in operating state can be determined by the checking member (18), by way of the sensor signal, and, in the presence of a change in operating state, the transmitting member (20) can communicate to the receiving member (44), in a contactless manner, information relating to a change in state, and wherein the switching element (48) can be actuated if information relating to a change in state is present. The invention also relates to a method and to a vacuum cleaner (66).

IPC 8 full level

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Cited by

DE102017100541A1; CN110461201A; US2020281425A1; US11337574B2; DE202017104107U1; DE102017115436A1; EP2628431A3; EP3415066A1; EP2628427B1; EP2628431B1

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