

## 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

**EP 2613683 B1 20150429 (DE)**

## Application

**EP 11751875 A 20110829**

## Priority

- DE 102010040336 A 20100907
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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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## Citation (opposition)

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