

Title (en)

Suction device with a suction device transmitter and external communication device thereof

Title (de)

Sauggerät mit einem Sauggerät-Sender und Extern-Kommunikationseinrichtung dafür

Title (fr)

Appareil d'aspiration avec émetteur d'appareil d'aspiration et installation de communication externe à cet effet

Publication

EP 2628427 B2 20221207 (DE)

Application

EP 13000689 A 20130208

Priority

DE 102012003076 A 20120217

Abstract (en)

[origin: EP2628427A2] The device (10) has a suction motor (19) and a dust collecting chamber (15) arranged in a suction housing (11). A suction device-communication unit (40) communicates with external communication units (50, 150, 250) that form a component of a hand-held power tool (80). The external communication units are operated at a distance to the housing in connection with the tool. The suction device-communication unit includes a suction device transmitter (41s) for transmitting a control signal (108) and/or a status signal (105) to the external communication units. An independent claim is also included for an external communication unit for cooperation with a hand-held power tool.

IPC 8 full level

A47L 9/00 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)

A47L 7/0095 (2013.01); **A47L 9/00** (2013.01); **A47L 9/2894** (2013.01); **B25F 5/00** (2013.01)

Citation (opposition)

Opponent :

- US 2008022479 A1 20080131 - ZHAO KONG [CN]
- WO 2012031925 A1 20120315 - KAERCHER GMBH & CO KG ALFRED [DE], et al
- JP 2004195565 A 20040715 - MAKITA CORP
- WO 2011157232 A1 201111222 - POSITEC POWER TOOLS SUZHOU CO [CN], et al
- JP 2001179705 A 20010703 - HITACHI KOKI KK
- EP 2207249 A2 20100714 - HILTI AG [LI]
- JP 2010155302 A 20100715 - HITACHI KOKI KK
- US 2009241283 A1 20091001 - LOVELESS MICHAEL [US], et al
- DE 3219391 A1 19831124 - OBERDORFER G WAP MASCH [DE]
- EP 2080467 A2 20090722 - BLACK & DECKER INC [US]
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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

DOCDB simple family (publication)

EP 2628427 A2 20130821; **EP 2628427 A3 20180110**; **EP 2628427 B1 20190605**; **EP 2628427 B2 20221207**; DE 102012003076 A1 20130822; DK 3545805 T3 20211206; EP 3545805 A1 20191002; EP 3545805 B1 20211124; EP 3967196 A1 20220316

DOCDB simple family (application)

EP 13000689 A 20130208; DE 102012003076 A 20120217; DK 19170227 T 20130208; EP 19170227 A 20130208; EP 21200854 A 20130208