

Title (en)

A CLEANING DEVICE USING SUCTION WITH A WHIRLWIND EFFECT

Title (de)

REINIGUNGSVORRICHTUNG MIT VERWENDUNG VON ANSAUGUNG MIT EINEM WIRBELWINDEFFEKT

Title (fr)

DISPOSITIF DE NETTOYAGE PAR ASPIRATION À EFFET TOURBILLON

Publication

**EP 3277887 B1 20190327 (EN)**

Application

**EP 16706305 A 20160217**

Priority

- DK PA201570191 A 20150331
- DK 2016050046 W 20160217

Abstract (en)

[origin: WO2016155738A1] A cleaning device (1) is disclosed comprising a suction nozzle (4) connected to a dirt container (2) through a suction hose (5) and means for generating a vacuum within the dirt container and/or within the suction hose, wherein, when such a vacuum is generated and the nozzle orifice is placed against a surface to be cleaned, dirt can be lifted up from the surface by the suction nozzle and sucked into the dirt container, and wherein at least one air inlet channel (10) is arranged within the periphery of the nozzle orifice in such a way that, when a vacuum is generated and the nozzle orifice is placed against the surface to be cleaned, an airflow (11) enters the suction nozzle in a direction substantially parallel to the surface to be cleaned and substantially tangential to the opening of the suction hose into the suction nozzle, whereby a whirlwind (8) is formed within the suction nozzle continuing at least partly through the suction hose.

IPC 8 full level

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