

Title (en)
SUCTION NOZZLE FOR A VACUUM CLEANER

Title (de)
SAUGDÜSE FÜR EINEN STAUBSAUGER

Title (fr)
BUSE D'ASPIRATION POUR UN ASPIRATEUR

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EP 16727182 A 20160603

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Abstract (en)
[origin: WO2016202610A1] The invention relates to a suction nozzle (2) for a vacuum cleaner (1) for sucking up items to be vacuumed from a surface (13) to be cleaned by means of a vacuum air stream, wherein the suction nozzle (2) has: a suction mouth (3) which can be arranged adjacently to the surface (13) to be cleaned and which comprises a suction edge (4) that delimits a sub-surface exposed to the vacuum air stream; a vacuum air stream extraction opening (5); and a delimiting means (8, 9) associated with the suction edge (4), which means can be controlled according to a detection result of a sensor. In order to produce a suction nozzle (2) whose delimiting means (8, 9) can be moved variably if other events occur, the sensor is an obstacle sensor (10, 11) for detecting a substantially stationary obstacle (15) located in front of the suction nozzle (2), in particular a wall or piece of furniture, wherein the obstacle sensor (10, 11) is configured to detect obstacles (15) that are disposed outside the portion of the surface (13) over which the suction nozzle (2) projects and, in relation to an arrangement of the suction nozzle (2) during typical cleaning operation, that protrude beyond a suction edge plane that has the suction edge (4). The invention further relates to a vacuum cleaner (1) with such a suction nozzle (2) and a method for sucking up items to be vacuumed by means of a suction nozzle (2).

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