

Title (en)
NOZZLE FOR A VACUUM CLEANER

Title (de)
DÜSE FÜR EINEN STAUBSAUGER

Title (fr)
BUSE D'ASPIRATEUR

Publication
EP 3616583 B1 20210623 (EN)

Application
EP 18191259 A 20180828

Priority
EP 18191259 A 20180828

Abstract (en)
[origin: EP3616583A1] A nozzle (1) for a vacuum cleaner, having: a nozzle housing (2), a floor cleaning roller (3) which is rotatable on an axle (13) relative to the nozzle housing (2) about an axis of rotation (4) during operation of the vacuum cleaner, a driving means (5) producing a drive torque (T) which is transferred to the floor cleaning roller (3) by a transmission means (7), a centrifugal clutch (6) operatively connected between the floor cleaning roller (3) and the transmission means (7) and the centrifugal clutch (6) comprises: a cup (8) having at least one engaging element (9), wherein the cup (8) is firmly connected with the floor cleaning roller (3), a driver (10) spaced radially inwardly apart from the cup (8) and rotatable about the axis of rotation (4), at least one slider (11) which is movably retained by the driver (10), and a disconnecting means (12) retained by the driver (10) acting with force (F) on the slider (11) towards the axis of rotation (4), wherein after exceeding a predetermined rotation speed of the driver (10) a centrifugal force (C) acting on the slider (11) exceeds the radial force (F) what causes that the slider (11) moves outward from the driver (10) and connects with the engaging element (9) then the drive (10) is engaged with the cup (8) and the drive torque (T) which is produced by the driving means (5) can be transmitted by the transmission means (7) and the centrifugal clutch (6) to the floor cleaning roller (3). Thus a nozzle has the centrifugal clutch which disengages the floor cleaning roller from the transmission means when the predetermined rotation speed of the driver is not exceeded, it also means that when it starting to operate, the floor cleaner roller is disengaged from the transmission means thereby easier starting to operate of a nozzle is achieved, namely the driving means easier starts to operate due to disengaged the floor cleaner roller.

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