

Title (en)
CLEANING SYSTEM

Title (de)
REINIGUNGSSYSTEM

Title (fr)
SYSTEME DE NETTOYAGE

Publication
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Application
EP 13799609 A 20131206

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Abstract (en)
[origin: WO2015082017A1] The invention relates to a cleaning system comprising a self-propelling and self-steering floor-cleaning appliance (12) and a charging station (14, 102), wherein the floor-cleaning appliance (12) comprises at least one rechargeable electric battery (34) and two appliance-mounted electrical contact elements (54) coupled to said battery, wherein the charging station (14, 102) comprises a charging unit (74) for supplying electrical energy and also two station-side electrical contact elements (62) coupled to said charging unit, and wherein in each case one appliance-mounted contact element (54) and one station-mounted contact element (62) interact, in a charging position of the floor-cleaning appliance (12) at the charging station (14, 102), for charging the at least one battery (34) with electrical energy. In order to create such a cleaning system which has a relatively high level of electrical safety, the invention proposes that the appliance-mounted contact elements (54) and the station-mounted contact elements (62) comprise first contact elements (54) and second contact elements (62), that the first contact elements (54) are arranged in at least one aperture (60) formed on a housing (16) of the floor-cleaning appliance (12) or of the charging station, comprising the first contact elements (54), wherein the first contact elements (54) are set back, in the at least one aperture (60), in relation to an outer contour formed by the housing (16), and that the charging station (14, 102) or floor-cleaning appliance, comprising the second contact elements (62), comprises at least one electrically insulating contact-element carrier (76), on which the second contact elements (62) are secured and which has the second contact elements (62) set back in relation to its end side (86), which, in the charging position of the floor-cleaning appliance (12), engages in the at least one aperture (60).

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