

Title (en)  
PORTABLE HARD SURFACE CLEANING DEVICE

Title (de)  
TRAGBARES HARTFLÄCHENREINIGUNGSGERÄT

Title (fr)  
APPAREIL DE NETTOYAGE DE SURFACES DURES PORTABLE

Publication  
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Application  
**EP 13737630 A 20130718**

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Abstract (en)  
[origin: WO2015007328A1] The invention relates to a portable hard-surface cleaning appliance (10) for withdrawing, and sucking up, liquid from a hard surface, in particular from a window pane, comprising a suction nozzle (54) with a suction opening (58), which is adjoined by a suction channel (56) and on which is arranged at least one withdrawal lip (64, 66), also comprising a suction subassembly (14), which is in flow connection with the suction channel (56) in order to suck up a liquid/air mixture by way of the suction opening (58), further comprising a separating-off member (42), which is arranged in the flow path between the suction channel (56) and the suction subassembly (14) and has a separating-off chamber (46), in which is arranged a separating-off device (50, 52) for separating off liquid from the liquid/air mixture, and additionally comprising a dirty-liquid holder for accommodating the separated-off liquid, wherein the suction nozzle (54) can be connected in a releasable manner to the separating-off member (42), and wherein a suction-channel end portion (72), which is directed away from the suction opening (58), can be connected in plug-in fashion, with the interposition of a sealing element (74), to a suction-channel-accommodating shaft (70) of the separating-off member (42). In order to develop the portable hard-surface cleaning appliance such that the suction nozzle (54) can be mounted smoothly on the separating-off member (42), without impairing the liquid-tight connection between the suction-channel end portion (72) and the suction-channel-accommodating shaft (70) in the mounted state, the invention proposes that supporting elements (94, 96, 104, 106) which can be plugged one inside the other be arranged on the suction nozzle (54) and on the separating-off member (42), at a distance from the suction-channel end portion (72) and at a distance from the suction-channel-accommodating shaft (70).

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