

Title (en)  
VACUUM CLEANER IN SLEDGE EXECUTION

Publication  
**EP 0245873 B1 19901219 (DE)**

Application  
**EP 87107071 A 19870515**

Priority  
CH 199186 A 19860516

Abstract (en)  
[origin: EP0245873A1] The vacuum cleaner (4) has a suction fan (8), which can be driven by a motor (6), a flow path for conducting a suction flow from a suction head (76) to the suction fan (8), and a dust bag (10) which can be placed in the flow path and removed from the vacuum cleaner (4). For easy convertibility of the dry vacuum cleaner (4) into a spraying wet suction appliance, a container (18) is provided which has both a storage space (40) for a cleaning liquid (30) and a separate collection space (42) for soiled cleaning liquid (44), which is sucked up, an inflow opening (22) and an outflow opening (24) for the suction flow and a removal opening (28) for the cleaning liquid in the lower region of the storage space (40), the flow path leading in the container (18) above the level (46) of the liquid in the collection space (42) to a liquid/air separation space (48) and from the latter through a suction opening (54). Instead of a dust bag (10), the container (18) can be inserted in the cleaner (4) and removed from the latter so that the cleaner (4) can be used optionally as a dry vacuum cleaner or as a spraying wet suction appliance. Furthermore, the container (18) is of such a design that, when it is inserted, the outflow opening (24) and the removal opening (28) come into flow connection with corresponding counter-openings (26, 34) in the cleaner (4). A valve (88) is provided in the region of the removal opening (28) of the container (18), which valve closes when the container (18) is removed and opens when the latter is inserted. Finally, a liquid channel (62) for the cleaning liquid (30) is arranged extending from the counter-opening (34) for the removal opening (28) to a liquid pump (64) and from there to a spray nozzle (78) which can be placed in the region of the suction head (76).

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