

Title (en)  
PORTABLE HARD SURFACE VACUUM

Title (de)  
TRAGBARES HARTFLÄCHENABSAUGGERÄT

Title (fr)  
DISPOSITIF PORTABLE D'ASPIRATION DE SURFACES DURES

Publication  
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Application  
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Abstract (en)  
[origin: WO2009086891A1] The invention relates to a portable hard surface vacuum (10) comprising a suction nozzle (45) and a suction unit (16), which is in fluid connection with the suction nozzle, for vacuuming a liquid-air mixture from a hard surface, and comprising a separating device (40, 57) for separating liquid from the liquid-air mixture and comprising a waste liquid tank (23) for receiving the separated liquid. In order to refine the hard surface vacuum in such a way that a constant suction flow is provided, regardless of the fill level of the waste liquid tank, and such that operation in an arbitrary orientation in relation to the vertical position can be carried out, a separating chamber (33) is arranged between the suction nozzle and the suction unit, said chamber housing the separating unit and being in fluid connection via a suction line (47) to the suction port (48) of the suction nozzle and in fluid connection to the suction unit via a suction line (60), and said chamber being connected via an outlet opening (67) to the waste liquid tank, wherein the port regions (51, 61) of the suction (47) and vacuum line within the separating chamber are surrounded at least partially by intermediate storage regions (71, 72, 73) for separated liquid in the circumferential direction.

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EP2992798A1; EP3245925A1; WO2015007325A1; WO2019161932A1; WO2015007329A1; WO2015007323A1; CN105392401A; WO2015007327A1; WO2015007328A1; DE202013012367U1; US10258207B2; EP3021723B1

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