

Title (en)
SUCTION SWEEPING MACHINE

Title (de)
KEHRSAUGMACHINE

Title (fr)
BALAYEUSE ASPIRANTE

Publication
EP 0857031 A1 19980812 (EN)

Application
EP 96935027 A 19961018

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Abstract (en)
[origin: WO9714345A1] A suction sweeping machine includes a filter arrangement for collecting debris from a fluid stream. The filter arrangement comprises an outlet leading into the filter arrangement, a container, preferably in the form of a plastic bag (32), for collecting debris and having an open upper end, and a porous tube (132) which extends downwardly into the bag. The arrangement is such that a debris carrying fluid stream flowing from the outlet diffuses through the porous tube (132) and out of the open end of the bag (32), while the debris remains within the bag. Preferably, the porous tube is flexible and the plastic bag is located in a compartment with an access door (124) in a lateral sidewall thereof, and a plurality of candle filters (152) provide a secondary filter. Preferably, a shaker mechanism operative when the door (124) is shut is provided to shake dust off the candle filters (152). The candle filters are mounted on a frame which is removable from the machine for wash down and servicing, either vertically or horizontally. The machine has a hose (201) for removing debris from confined areas, which is carried by a pivoted support frame (203).

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