

Title (en)  
DEVICE FOR SAVING WATER BY RECIRCULATION.

Title (de)  
VORRICHTUNG ZUM WASSERSPAREN MITTELS REZIRKULATION

Title (fr)  
DISPOSITIF D'ÉCONOMIE D'EAU PAR RECIRCULATION

Publication  
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Application  
**EP 07858436 A 20071012**

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• FR 0608979 A 20061013

Abstract (en)  
[origin: WO2008046992A2] The invention relates to a device for saving water by recirculation, that can be integrated into a washing device (1) such as a shower, a wash basin, a sink, a washing tub or similar, of the type comprising connection means to the discharge outlet (3) of the washing device, through which the waste washing water is collected. The invention consists in that the device comprises a filtration and control tank (7) comprising at least one water inlet that can be connected via said connection means to the discharge outlet (3) of the washing device (1), at least one water outlet referred to as a discharge outlet that can be connected to at least one wastewater conduit (9) and at least one water outlet (26) referred to as a suction outlet, the tank (7) additionally comprising at least one filtration means such as a screen (21), positioned between the water inlet of the tank (7) and a control chamber (23) defined in said tank (7), so that the stream of water pouring through the water inlet penetrates into said chamber (23) by pouring over this filtration means (21) which separates the waste materials from the water, the volume of the chamber (23) being determined in order to generate a surplus stream of water above the filtration means (21) which discharges the waste materials retained by said filtration means (21) by overflowing out of said chamber (23) to the at least one discharge outlet whilst a relatively clean stream of water is sucked up through the suction outlet (26) from the control chamber (23) by a recirculating pump (11) to put this water directly back into circulation in the same device at a pressure close to the supply pressure.

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Cited by  
CN103443364A; CN108473342A

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