

Title (en)

BIOFILTERING DEVICE FOR TREATING WASTEWATER

Title (de)

BIOFILTER ZUR ABWASSERBEHANDLUNG

Title (fr)

DISPOSITIF DE BIOFILTRAGE DESTINE AU TRAITEMENT DES EAUX USEES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0177032A1] A biofiltering device (10) for treating wastewater comprises a housing (22) having an inlet (40) for receiving the wastewater to be treated and an outlet for discharging the treated wastewater, a bed of peat (38) disposed inside the housing between the inlet and outlet, the peat defining a biofiltering medium having a predetermined biofiltering capacity, and an air vent (70) for aerating the peat. The device further includes a fluid flow control system (42) arranged over the bed of peat (38) and in fluid flow communication with the inlet, for distributing the wastewater through the bed of peat in a manner such that when the wastewater enters the system at a flow rate greater than the biofiltering capacity of the peat, the wastewater discharged from the system flows through the bed of peat at a flow rate no greater than the biofiltering capacity. The biofiltering device according to the invention enables one to efficiently treat incoming wastewater irrespective of its flow rate.

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