

Title (en)

METHOD FOR TREATING WASTE WATER AND TREATMENT SYSTEM FOR WASTE WATER IN A VEHICLE WASHING SYSTEM

Title (de)

VERFAHREN ZUM AUFBEREITEN VON ABWASSER UND AUFBEREITUNGSANLAGE FÜR ABWASSER BEI EINER FAHRZEUG-
WASCHANLAGE

Title (fr)

PROCÉDÉ ET SYSTÈME DE TRAITEMENT DES EAUX USÉES DANS UN SYSTÈME DE LAVAGE DE VÉHICULES

Publication

EP 4225709 A1 20230816 (DE)

Application

EP 21798290 A 20211007

Priority

- DE 102020126722 A 20201012
- EP 2021077717 W 20211007

Abstract (en)

[origin: WO2022078868A1] The invention relates to a method for treating waste water, in particular in a vehicle washing system, wherein the treatment takes place along a main waste water flow, and wherein the method comprises at least the following steps: settling the waste water by means of a primary gravitational sedimentation without using a sludge trap in the main waste water flow; and discharging waste water with sedimented sludge from the primary gravitational sedimentation to a secondary gravitational sedimentation with a sludge trip outside the main waste water flow. The invention further relates to a treatment system for waste water in a vehicle washing system, wherein the treatment system has the following: a device for primary gravitational sedimentation, which is disposed within an active region of a main flow of waste water and has no sludge trap in the active region of the main waste water flow; and a device for secondary gravitational sedimentation, which is disposed outside the active region of the main flow of waste water and has a sludge trap.

IPC 8 full level

C02F 9/00 (2023.01); **B01D 21/00** (2006.01); **C02F 1/00** (2023.01); **C02F 3/06** (2023.01); **C02F 3/08** (2023.01); **C02F 11/12** (2019.01); **C02F 11/121** (2019.01); **C02F 103/44** (2006.01)

CPC (source: EP)

C02F 9/00 (2013.01); **C02F 3/085** (2013.01); **C02F 11/121** (2013.01); **C02F 2001/007** (2013.01); **C02F 2103/44** (2013.01); **C02F 2301/046** (2013.01); **C02F 2303/14** (2013.01); **C02F 2303/24** (2013.01); **Y02W 10/10** (2015.05)

Citation (search report)

See references of WO 2022078868A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020126722 A1 20220414; EP 4225709 A1 20230816; WO 2022078868 A1 20220421

DOCDB simple family (application)

DE 102020126722 A 20201012; EP 2021077717 W 20211007; EP 21798290 A 20211007