

Title (en)
WASTE WATER TREATMENT PLANT

Title (de)
ABWASSERBEHANDLUNGSANLAGE

Title (fr)
OUVRAGE D'ASSAINISSEMENT DES EAUX USÉES

Publication
EP 4007741 A1 20220608 (FR)

Application
EP 20739715 A 20200716

Priority
• FR 1908863 A 20190801
• EP 2020070218 W 20200716

Abstract (en)
[origin: WO2021018629A1] Disclosed is a waste water treatment plant comprising: - means for introducing the waste water; - a pre-filter device transforming the waste water into pre-treated water that comprises a pre-treatment vessel containing lignocellulosic compounds and microorganisms; - discharging means for discharging the pre-treated water; - at least one planted filter device transforming the pre-treated water into treated water, arranged in series and positioned downstream of the pre-filter device and supplied with pre-treated water by the discharging means, - the planted filter device comprising distribution means supplied by these discharging means, and a filter bed constituting a culture medium for semi-aquatic plant species, - the filter bed comprises at least three layers of minerals including a filtering layer, a transition layer, and a draining layer; - means for draining the treated water, on which the draining layer opens, configured to drain the treated water out of the planted filter device.

IPC 8 full level
C02F 1/00 (2006.01); **C02F 3/04** (2006.01); **C02F 3/10** (2006.01); **C02F 3/12** (2006.01); **C02F 3/32** (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 2021018629A1

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