

Title (en)
DECONTAMINATION TREATMENT OF WATER CONTAMINATED BY EMERGENT POLLUTANTS AND/OR MICROPOLLUTANTS, ESPECIALLY BY ORGANOCHLORINE COMPOUNDS

Title (de)
DEKONTAMINATIONSBEHANDLUNG VON MIT ORGANISCHEN SCHADSTOFFEN UND/ODER MIKROSCHADSTOFFEN, INSBESONDERE ORGANOCHLOREN VERBINDUNGEN, KONTAMINIERTEM WASSER

Title (fr)
TRAITEMENT DE DEPOLLUTION D'UNE EAU CONTAMINEE PAR DES MICRO-POLLUANTS ET/OU DES POLLUANTS EMERGENTS, NOTAMMENT PAR DES COMPOSES ORGANOCHLORES

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Application
EP 11731253 A 20110615

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Abstract (en)
[origin: WO2011157406A1] The present invention relates to a process for decontaminating water contaminated by emergent pollutants or micropollutants, characterized in that it comprises a step of injecting said contaminated water into a device comprising a vertically filtering planted organic filter, which planted organic filter comprises: an inlet for the contaminated water to be treated; an outlet for said contaminated water after being treated; filtration and decontamination means interposed between the inlet for said contaminated water and the outlet, characterized in that said filtration and decontamination means take the form of a planted organic substrate composed of a compost and insoluble aggregates, making it possible for said organic substrate to maintain a permeability of at least 40 litres per hour per m2, preferably at least 70 litres per hour per m2 and particularly preferably at least 100 litres per hour per m2. The invention also relates to the use of such a device for decontaminating water contaminated by emergent pollutants or micropollutants.

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See references of WO 2011157406A1

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