

Title (en)

METHOD FOR REPROCESSING WASTE WATER AND WATER REPROCESSING MACHINE

Title (de)

VERFAHREN ZUR WIEDERAUFBEREITUNG EINES ABWASSERS UND WASSERAUFBEREITUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE RÉGÉNÉRATION D'EAUX USÉES ET DISPOSITIF DE RÉGÉNÉRATION D'EAU

Publication

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Application

**EP 12743140 A 20120801**

Priority

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Abstract (en)

[origin: WO2013023911A1] The invention relates to a method for reprocessing waste water (2) from an industrial process, comprising an organic acid. Said method comprises the following steps: the waste water is introduced into a heat exchange process in which a heat exchange medium (4) is used so that the waste water (2) which is to be treated is heated to a temperature between 60 ° C and the boiling point of the waste water (2). Subsequently, the waste water is partially evaporated and re-condensed, said waste water (2) being radiated with UV radiation (6) during the evaporation and condensation process in the liquid and/or gas phase. As a result, a chemical transformation of the organic acid in H<sub>2</sub>O and carbon dioxide is at least partially carried out. Then, the condensed part of the purified waste water (24) is fed back into the industrial process.

IPC 8 full level

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CPC (source: EP US)

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