

Title (en)

APPARATUS AND METHOD FOR CLEANING WASTE WATER AND WASTE SLUDGE BY MEANS OF ION EXCHANGERS.

Title (de)

VORRICHTUNG UND METHODE ZUR REINIGUNG VON ABWASSER UND ABFALLSCHLAMM DURCH MITTEL VON IONENAUSTAUSCHERN.

Title (fr)

DISPOSITIF ET PROCEDE POUR TRAITER DES EAUX ET DES BOUES DE REJET PAR DES ECHANGEURS IONIQUES.

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Application

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Abstract (en)

[origin: WO9321114A1] The invention relates to a device for cleaning waste water or waste slurry by means of ion exchangers held on carriers, comprising: a container; feed means for feeding the waste water for cleaning to the container; carrier feed means for feeding carriers provided with ion exchangers to the container; an agitation device arranged in the container; and a separating device connected to the container by means of a pipe for separating the carriers from the waste water. As a result of these steps the carriers of the ion exchangers are carried suspended or floating into the water, so that the danger of blockage is avoided. The separating device prevents the ion exchangers being discharged together with the waste water that has meanwhile been cleaned. This separating device can be formed by a filter, for example, a mechanical or an electrostatic filter, but can likewise be formed by a magnetic separating device. The carriers must then of course be magnetic.

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