

Title (en)
METHOD FOR TREATING WATER CONTAINING MANGANESE

Title (de)
VERFAHREN ZUR BEHANDLUNG VON MANGAN ENTHALTENDEM WASSER

Title (fr)
PROCEDE DE TRAITEMENT DES EAUX CONTENANT DU MANGANESE

Publication
EP 1343730 A1 20030917 (FR)

Application
EP 01993589 A 20011106

Priority

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Abstract (en)
[origin: FR2816304A1] A water treatment process involves passing water over a bed of a filtering material made at least partly from manganese dioxide granules, where the granules make up at least 70% of the filter material by weight and are regenerated mechanically when necessary, periodically or when there is a predetermined loss of load. A water treatment process involves passing water over a bed of a filtering material (3) made at least partly from manganese dioxide granules having a size of 0.8-1 mm, an actual density of 3.5-4.5 and a hardness of at least 6 on the Mohs scale. The manganese dioxide granules make up at least 70% of the filter material by weight and are regenerated mechanically when necessary, periodically or when there is a predetermined loss of load. The regeneration can take the form of simple washing, using a flow of water and/or a gas such as air. Other materials in the filter bed can be sand, anthracite or active carbon granules, and the contact time with the water being treated is between 30 seconds and 10 minutes.

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