

Title (en)

METHOD AND APPARATUS FOR BIOLOGICAL REMOVAL OF NITROGEN COMPOUNDS FROM WATER

Title (de)

METHODE UND VORRICHTUNG ZUR BIOLOGISCHEN ENTFERNUNG VON STICKSTOFFVERBINDUNGEN IM WASSER

Title (fr)

PROCEDE ET APPAREIL D'EXTRACTION BIOLOGIQUE DE COMPOSES AZOTES DE L'EAU

Publication

**EP 0981500 A1 20000301 (EN)**

Application

**EP 98916800 A 19980513**

Priority

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- CZ 147997 A 19970514

Abstract (en)

[origin: WO9851626A1] Method of removing nitrogen and its compounds from water using biological process in activated sludge suspension. The nitrogen in the form of nitrates and nitrites is removed by means of a denitrification proceeding in a fluidized layer of sludge blanket, the layer being formed by a suspension of biological sludge and being kept in a fluidized condition. Apparatus for performing the method comprises an upwards widening denitrification zone (5), into the lower part of which an admission for the water containing nitrates, an admission for the activated sludge and an admission for the substrate, which has been biologically oxidized during the denitrification, mouth.

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**C02F 3/30**

IPC 8 full level

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Citation (search report)

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