

Title (en)

METHOD FOR OXIDATIVE BREAKDOWN OF NITROGENOUS COMPOUNDS IN WASTE WATER

Title (de)

VERFAHREN ZUM OXIDATIVEN ABBAU VON STICKSTOFFHALTIGEN VERBINDUNGEN IN ABWÄSSERN

Title (fr)

PROCÉDÉ DE DÉGRADATION PAR OXYDATION DES COMPOSÉS AZOTÉS PRÉSENTS DANS LES EAUX USÉES

Publication

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Application

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Abstract (en)

[origin: WO2015127918A1] The invention relates to a method for oxidative breakdown of nitrogenous compounds in waste water by means of an electrochemical treatment using a diamond electrode as an anode (A) and a cathode (K) as a counter-electrode, wherein the destruction of the nitrogenous compounds and a reduction of the total nitrogen content can be achieved in a common method in that, in a first method step, a first current density is adjusted on the anode (A) in order to oxidize the nitrogenous compounds and subsequently, by means of a second current density which is smaller than the first current density, the dissolved total nitrogen content is reduced by releasing molecular nitrogen.

IPC 8 full level

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Citation (search report)

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