

Title (en)
A PROCESS TO CONVERT TOTAL AMMONIA NITROGEN

Title (de)
VERFAHREN ZUR UMWANDLUNG VON AMMONIAK-STICKSTOFF

Title (fr)
PROCÉDÉ DE CONVERSION D'AZOTE AMMONIACAL TOTAL

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Application
EP 19817602 A 20191128

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Abstract (en)
[origin: WO2020109494A1] The invention is directed to a process to oxidise total ammonia nitrogen, also referred to as TAN, as dissolved in an aqueous solution (1) by (i) contacting the aqueous solution with oxidised ammonia- oxidizing bacteria (AOB) under anaerobic conditions wherein TAN is converted and reduced ammonia-oxidizing bacteria is obtained and (ii) wherein in a separate step the reduced ammonia-oxidizing bacteria are oxidised in a separate step by transfer of electrons to an anode (4) of an electrochemical cell (3) to obtain the oxidised ammonia-oxidizing bacteria.

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