

Title (en)
IMPROVED ELECTROCHEMICAL AMMONIA SYNTHESIS

Title (de)
ELEKTROCHEMISCHE AMMONIAKSYNTHESE

Title (fr)
SYNTHÈSE ÉLECTROCHIMIQUE D'AMMONIAC AMÉLIORÉE

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Abstract (en)
[origin: WO2022175548A1] The invention regards a method for electrochemical ammonia synthesis, comprising the steps of: - providing an electrolysis cell having a cathode, - contacting the cathode with a source of cations, preferably lithium cations, a source of nitrogen, a source of oxygen, and a source of protons, wherein the oxygen source provides a predefined oxygen concentration, and - subjecting the cell to a potential and current load, whereby ammonia is synthesized.

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