

Title (en)
AMMONIA PRODUCTION PROCESS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON AMMONIAK

Title (fr)
PROCÉDÉ DE PRODUCTION D'AMMONIAC

Publication
EP 4093701 A1 20221130 (EN)

Application
EP 21701877 A 20210125

Priority
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Abstract (en)
[origin: WO2021148677A1] In accordance with the purpose of the invention, as embodied and broadly described herein, the invention is broadly drawn to energy-efficient ammonia production from air and water. A process for ammonia production from air and water that uses hydrogen gas in (i) a reaction with oxygen of air to prepare nitrogen gas and water to be fed to the ammonia synthesis reactor, and (ii) in performing electrocatalytic ammonia synthesis in an electrochemical cell using H₂.

IPC 8 full level
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Citation (search report)
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