

Title (en)
ELECTROLYSIS DEVICE AND ELECTROLYSIS METHOD

Title (de)
ELEKTROLYSEVORRICHTUNG UND ELEKTROLYSEVERFAHREN

Title (fr)
DISPOSITIF D'ÉLECTROLYSE ET PROCÉDÉ D'ÉLECTROLYSE

Publication
EP 4339336 A2 20240320 (EN)

Application
EP 23159594 A 20230302

Priority
JP 2022147380 A 20220915

Abstract (en)
An electrolysis device of an arrangement includes: an electrolysis cell including a cathode part in which a reduction electrode is disposed, an anode part in which an oxidation electrode is disposed, and a diaphragm provided between the cathode part and the anode part; a supply power property obtaining unit that obtains a property of power that is to be supplied to the electrolysis cell; an input gas property obtaining unit that obtains a property of a gas that is to be input to the electrolysis cell; an electric property obtaining unit that obtains an electric property of the electrolysis cell; an output gas property obtaining unit that obtains a property of an output gas of the electrolysis cell; a temperature obtaining unit that obtains a temperature of the electrolysis cell; a data storage unit that stores data from the obtaining units; and a data processing unit to which the data is sent from the data storage unit and that processes the data to determine a state of the electrolysis cell.

IPC 8 full level
C25B 9/19 (2021.01); **C25B 1/00** (2021.01); **C25B 3/25** (2021.01); **C25B 15/02** (2021.01); **C25B 15/027** (2021.01); **C25B 15/08** (2006.01)

CPC (source: EP US)
C25B 1/00 (2013.01 - EP); **C25B 1/04** (2013.01 - EP US); **C25B 1/23** (2021.01 - EP US); **C25B 3/25** (2021.01 - EP); **C25B 3/26** (2021.01 - EP US); **C25B 9/19** (2021.01 - EP US); **C25B 9/23** (2021.01 - EP US); **C25B 9/65** (2021.01 - EP US); **C25B 15/02** (2013.01 - EP); **C25B 15/021** (2021.01 - EP US); **C25B 15/023** (2021.01 - EP); **C25B 15/027** (2021.01 - EP US); **C25B 15/029** (2021.01 - EP US); **C25B 15/08** (2013.01 - EP)

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Designated extension state (EPC)
BA

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KH MA MD TN

DOCDB simple family (publication)
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