

Title (en)
ANALYSIS SYSTEM, ANALYSIS METHOD, AND ANALYSIS PROGRAM

Title (de)
ANALYSESYSTEM, ANALYSEVERFAHREN UND ANALYSEPROGRAMM

Title (fr)
SYSTÈME D'ANALYSE, PROCÉDÉ D'ANALYSE ET PROGRAMME D'ANALYSE

Publication
EP 4372127 A1 20240522 (EN)

Application
EP 22842192 A 20220714

Priority
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Abstract (en)
Provided is an analysis system including a terminal device having an element acquisition unit which acquires an amount of an element contained in an object in an electrolyzer, and a server having a reception unit which receives the amount of the element which is acquired by the element acquisition unit, and a state analysis unit which analyzes a state of the object based on the amount of the element which is received by the reception unit. The electrolyzer may have an ion exchange membrane, and an anode chamber and a cathode chamber which are separated by the ion exchange membrane. An aqueous solution of an alkali metal chloride or an aqueous solution of an alkali metal hydroxide may be inputted into the anode chamber, and an aqueous solution of an alkali metal hydroxide may be outputted from the cathode chamber. The state analysis unit may analyze a state of the object based on a predetermined first relationship between a current efficiency of the electrolyzer and the amount of the element, analyze a state of the object based on a predetermined second relationship between a voltage of the electrolyzer and the amount of the element, or analyze a state of the object based on a predetermined third relationship between a chloride ion concentration in the aqueous solution of the alkali metal hydroxide and the amount of the element.

IPC 8 full level
C25B 15/029 (2021.01); **C25B 1/02** (2006.01); **C25B 1/16** (2006.01); **C25B 1/26** (2006.01); **C25B 9/00** (2021.01); **C25B 9/19** (2021.01); **C25B 15/023** (2021.01)

CPC (source: EP KR US)
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