

Title (en)

GAS GENERATION DEVICE AND GAS GENERATION METHOD

Title (de)

GASERZEUGUNGSVORRICHTUNG UND GASERZEUGUNGSVERFAHREN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA PRODUCTION DE GAZ

Publication

**EP 2559790 A1 20130220 (EN)**

Application

**EP 11768584 A 20110323**

Priority

- JP 2010093437 A 20100414
- JP 2011001709 W 20110323

Abstract (en)

A control device receives an output signal from a liquid level sensor disposed in an anode chamber. This output signal indicates whether the liquid level of the electrolytic bath in the anode chamber is higher than a reference level. When the liquid level of the electrolytic bath in the anode chamber is higher than the reference level, the control device increases, by a prescribe value, the frequency of a compressor driving voltage that is generated in an inverter circuit. This increases the rotational speed of a motor in the compressor, increases the discharge pressure of hydrogen gas being discharged from the compressor, and decreases the pressure inside the cathode chamber. As a result, the liquid level of the electrolytic bath in the cathode chamber rises, and the liquid level of the electrolytic bath in the anode chamber falls below the reference level.

IPC 8 full level

**C25B 1/24** (2006.01); **C25B 9/00** (2006.01); **C25B 15/02** (2006.01)

CPC (source: EP KR US)

**C25B 1/245** (2013.01 - EP KR US); **C25B 9/00** (2013.01 - EP US); **C25B 9/23** (2021.01 - KR); **C25B 15/023** (2021.01 - KR); **C25B 15/08** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2011129057A1

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