

The diagram illustrates a wastewater treatment system for a manufacturing building (製造棟). The system components and their specifications are as follows:

- Gas Treatment Unit (21):** Includes a membrane formation unit (成膜装置) and a drying unit (ドライエッチング).
- Gas Separation Unit (11):** Receives gas from the treatment units. It has an inlet flow rate $F: 1,000 \text{ kg/d}$ and a recirculation flow rate $R1: 50\%$.
- Deodorization Unit (12):** Receives gas from the separation unit. It has an outlet flow rate $F: 1,000 \text{ kg/d}$.
- Drainage Treatment Unit (13):** Receives liquid from the deodorization unit. It has an inlet flow rate $Q: 14,500 \text{ m}^3/\text{d}$ and $F: 0 \text{ kg/d}$. It also receives a recirculation flow $R2: 97\%$ from its own outlet.
- Final Effluent (24):** The treated liquid is discharged with a concentration of $F \text{ 濃度}: 2000 \text{ mg/L}$.
- Recirculation Loop (20):** A line returning liquid from the drainage treatment unit to the gas separation unit.

第2のガス22b

121

可溶化部

122

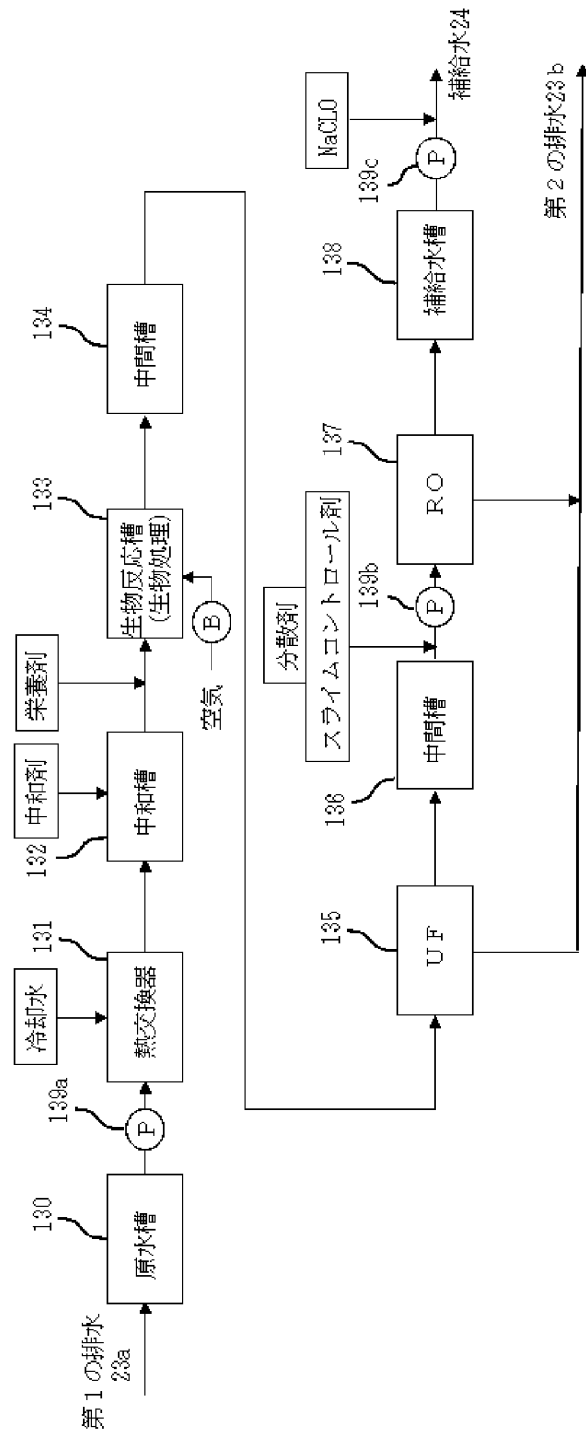
溶解部

供給水25
(補給水24)

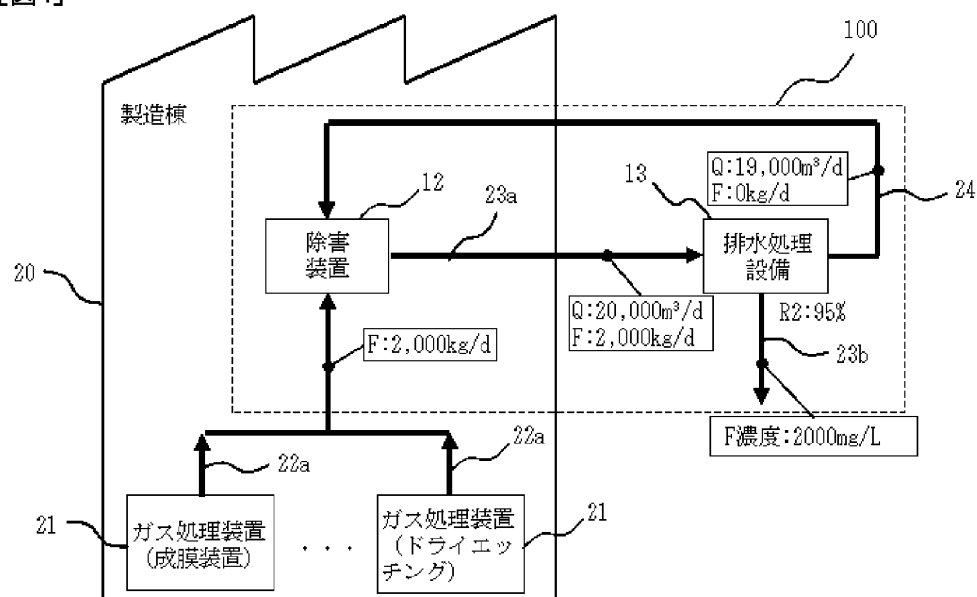
第1の排水23a

12

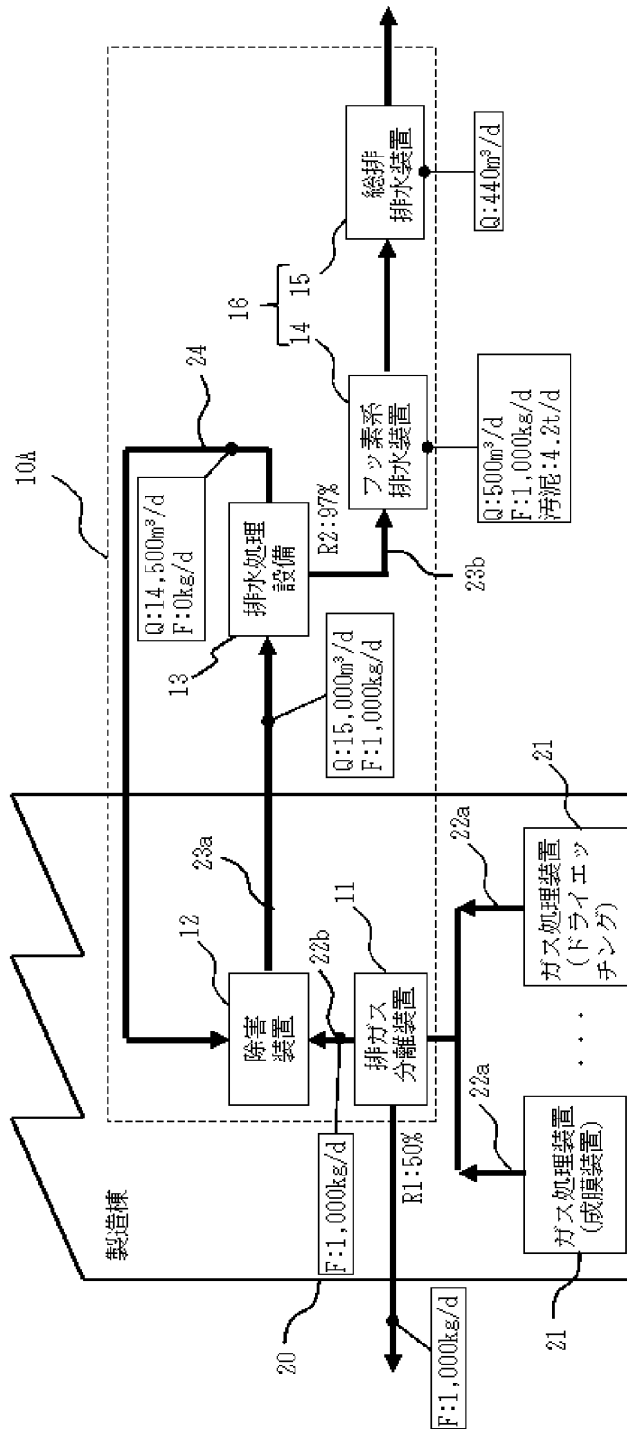
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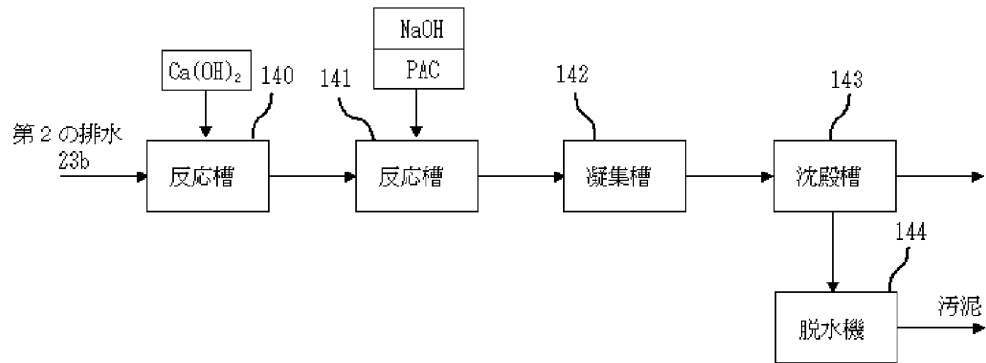
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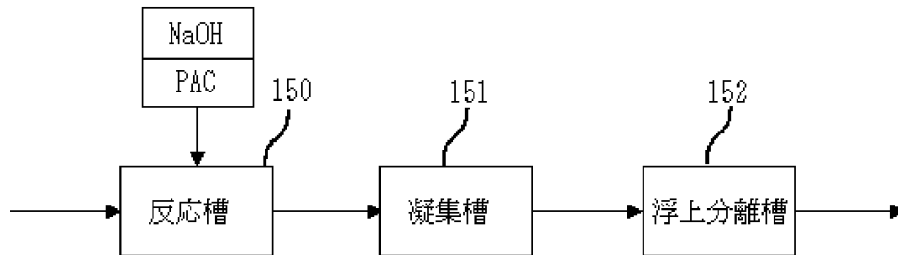
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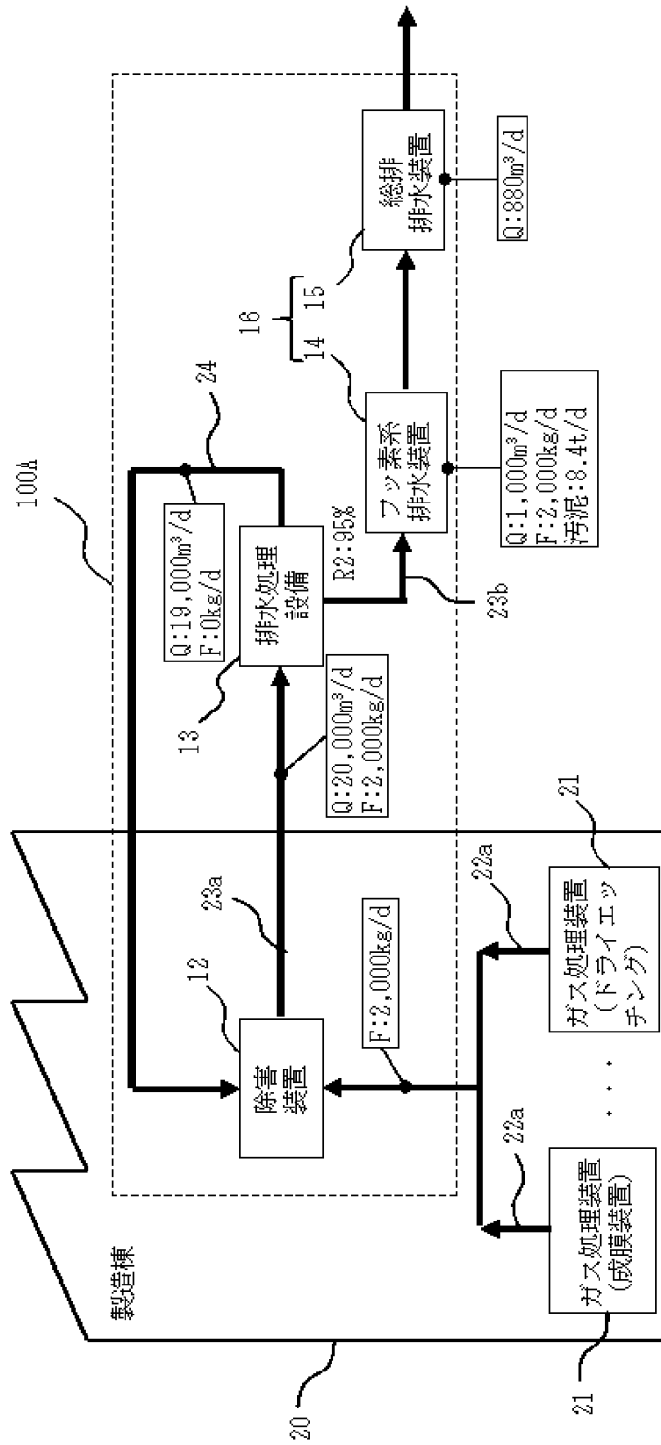
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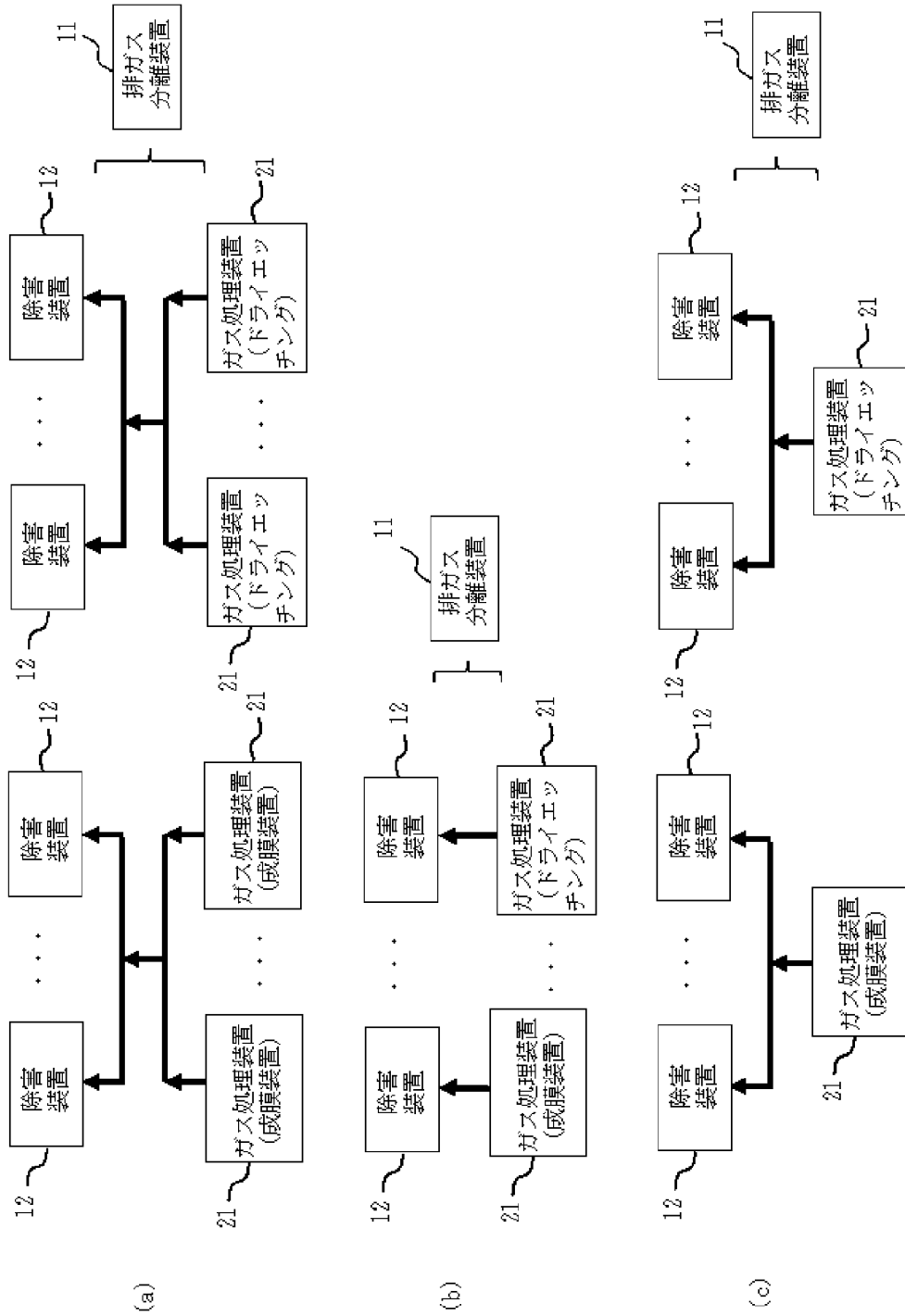
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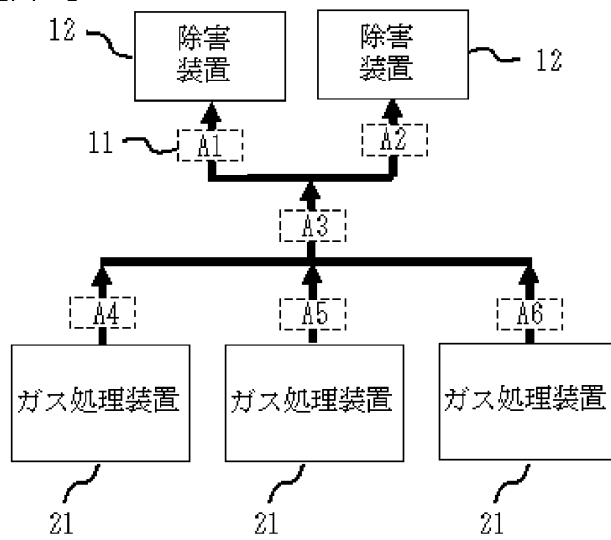
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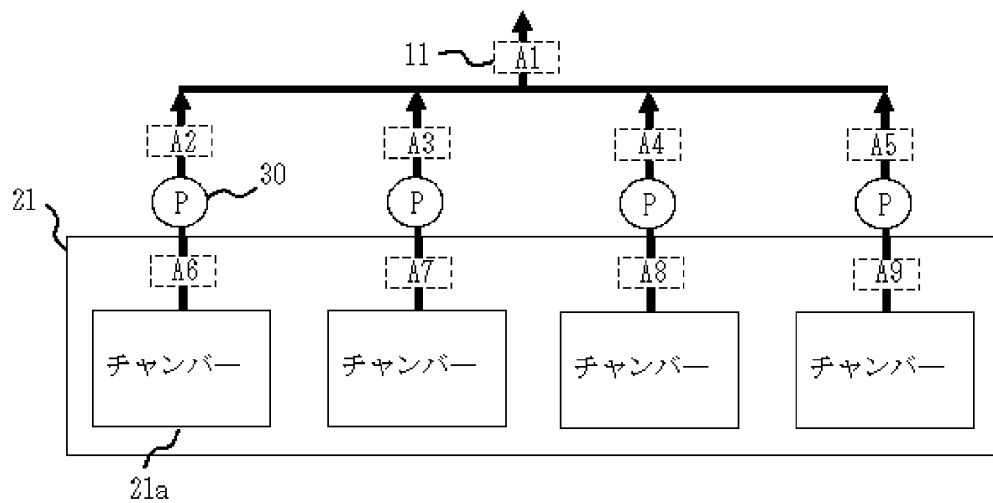
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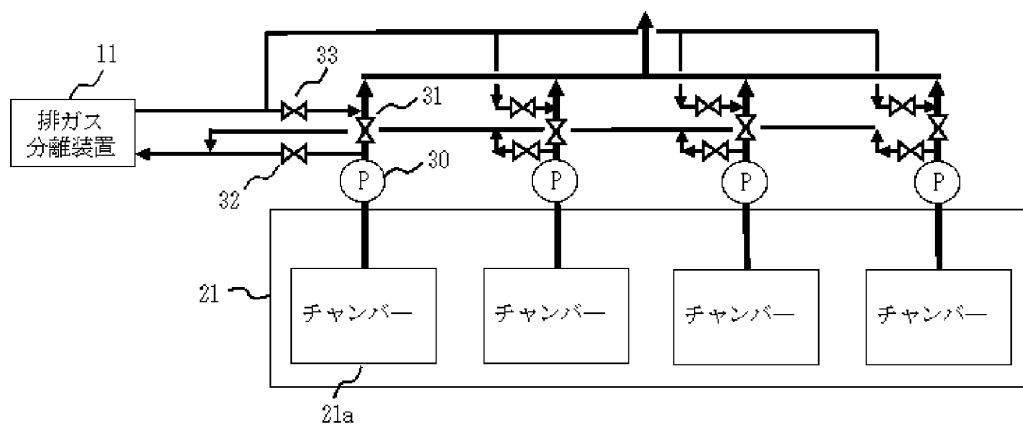
[図10]



[図11]



[図12]



[図13]

