

Title (en)

SYSTEM AND PROCESS FOR COLLECTING EFFLUENTS FROM AN ELECTROLYTIC CELL

Title (de)

SYSTEM UND VERFAHREN ZUM SAMMELN VON AUSTRAGSSTRÖMEN AUS EINER ELEKTROLYSEZELLE

Title (fr)

SYSTÈME ET PROCÉDÉ DE RÉCUPÉRATION DES EFFLUENTS ÉMANANT D'UNE CELLULE D'ÉLECTROLYSE

Publication

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Application

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Abstract (en)

[origin: EP1845175A1] The invention provides a system and a process for collecting effluents produced by an electrolysis cell (1) intended for the production of aluminium and for drawing said effluents away from the cell in a flow of gas. The system comprising a hooding (20) to confine the effluents, at least one outlet channel (25) to collect said flow of gas and suction means to draw said flow of gas away from the cell. The hooding (20) includes removable hoods (21) and, optionally, at least one door (23) to get access to the inside of the hooding. The system further comprises at least one pipe (50) for blowing pressurized air within the outlet channel (25) so as to increase the rate of said flow of gas. Pressurized air supply (53) is activated at a specified pressure Po so as to obtain a specified flow rate Ro.

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