

Title (en)

SYSTEM FOR POWER CONTROL IN CELLS FOR ELECTROLYTIC RECOVERY OF A METAL

Title (de)

SYSTEM ZUR LEISTUNGSREGELUNG IN ZELLEN ZUR ELEKTROLYTISCHEN GEWINNUNG EINES METALLS

Title (fr)

SYSTÈME POUR LA COMMANDE DE PUISSANCE DANS DES CELLULES POUR LA RÉCUPÉRATION ÉLECTROLYTIQUE D'UN MÉTAL

Publication

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Application

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Abstract (en)

[origin: WO2013117805A1] According to an aspect of the invention, the invention is a system for electro- lytic processing or recovery of a metal from an electrolyte solution (233). The system comprises electrolysis cells (210,220) and a rectifier (240). The cells comprise interleaved anodes (216) and cathodes (214).The anodes or the cathodes of a first cell have an elec- trical connection to a positive (204) or a negative terminal (202) of the recti- fier (240), respectively, via a first electrical path having a first re- sistance (215).The anodes or the cath- odes of a second cell have an electrical connection to a positive or a negative terminal of the rectifier, respectively, via a second electrical path having a second resistance (225). The second re- sistance is configured to be higher than the first resistance. The system further comprises a channel (232) for electro- lyte from the first cell to the second cell, the electrolyte containing the metal in a dissolved ionic form, metal concentration in the first cell being higher than in the second cell.

IPC 8 full level

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CPC (source: EP FI US)

C25C 1/12 (2013.01 - EP FI US); **C25C 7/00** (2013.01 - EP US); **C25C 7/02** (2013.01 - FI US); **C25C 7/06** (2013.01 - FI)

Citation (search report)

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- [IA] US 2538990 A 19510123 - TRASK HAROLD V
- [A] GB 187607 A 19230712 - ALFRED CREMER
- See references of WO 2013117805A1

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