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

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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.

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Citation (search report)
• [IA] US 4273640 A 19810616 - ROSS RICHARD H C LEB
• [IA] US 2538990 A 19510123 - TRASK HAROLD V
• [A] GB 187607 A 19230712 - ALFRED CREMER
• See references of WO 2013117805A1

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