

Title (en)
ELECTROLYTIC CELL FOR METAL RECOVERY AND ITS OPERATION

Publication
EP 0084521 B1 19860305 (DE)

Application
EP 83810013 A 19830113

Priority
• GB 8201367 A 19820119
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Abstract (en)
[origin: US4406753A] An electrolytic metal recovery cell is described in which a cylindrical cathode is mounted for rotation in a housing having an inlet and outlet for solution from which metal is to be recovered. The housing contains an anode and a cutter blade is mounted so as to be capable of removing metal deposited over the whole face of the cathode when the cell is in use. In order to control the operation of the cell, electrical means are provided for operating the cutter blade at predetermined intervals of time irrespective of the electrolysis conditions and for operating the cutter blade when a monitored cathode potential deviates a predetermined amount from a desired value. By this means the use of previously proposed scrapers and their attendant disadvantages are avoided and the cell can be easily controlled either under steady state electrolytic conditions or even when there are large variations in the concentration of the metal ions in solution. The cell and its operation are described for use in the recovery of silver from spent photographic fixing solutions but may be used to recover metals other than silver.

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IPC 8 full level
C25C 7/06 (2006.01); **C25C 7/08** (2006.01)

CPC (source: EP US)
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Cited by
EP0645474A1; US5531882A; US5540822A; ES2107328A1

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EP 0084521 A2 19830727; **EP 0084521 A3 19830803**; **EP 0084521 B1 19860305**; DE 3362365 D1 19860410; US 4406753 A 19830927

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