

Title (en)
PROCESS FOR THE ELECTROLYTIC REFINING OF SILVER

Publication
EP 0138801 B1 19870415 (DE)

Application
EP 84890159 A 19840823

Priority
AT 307383 A 19830829

Abstract (en)
[origin: ES8602966A1] Electrolytic refining of silver in which raw silver is anodically dissolved into soln. and refined silver is pptd. out of soln. and at the same time accompanying metals are selectively extracted from the used electrolyte and after transforming into aq. soln. are separately cathodically pptd.. The used electrolyte is enriched with silver as the accompanying metals are removed from the aq. soln. in the presence of fluid membrane permeation.
[origin: ES8602966A1] In an electrolytic silver refining process, crude silver is anodically dissolved while refined silver is cathodically deposited and at the accompanying (impurity) metals are selectively extracted from the used (spent) electrolyte and transferred to an aqueous phase. The used electrolyte is enriched in silver and accompanying metals are cathodically deposited and thus removed from the electrolyte. For this purpose, a specific electrolysis cell is provided. The cell being preferably a diaphragm cell with an anionic diaphragm. The extraction of the accompanying metals is achieved by liquid membrane permeation, preferably combined with solvent extraction.

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C25C 1/20

IPC 8 full level
C25C 1/20 (2006.01)

CPC (source: EP US)
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Cited by
EP0214116A1; AT383372B; WO9417225A1

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