

Title (en)

METHOD AND DEVICE FOR EXTRACTING GOLD AND/OR SILVER AND/OR AT LEAST ONE PLATINUM METAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR GEWINNUNG VON GOLD UND/ODER SILBER UND/ODER MINDESTENS EINEM PLATINMETALL

Title (fr)

PROCÉDÉ ET DISPOSITIF D'EXTRACTION D'OR ET/OU D'ARGENT ET/OU D'AU MOINS UN MÉTAL DU PLATINE

Publication

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Application

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Abstract (en)

[origin: WO2022028899A1] The invention relates to a method for extracting gold and/or silver and/or at least one platinum metal from at least one starting material, wherein the starting material is treated in an electrolyte solution using at least one oxidizing agent and at least one reducing agent in an alternating manner, wherein an inlet (51) of the oxidizing agent and an inlet (56) of the reducing agent into the electrolyte solution are each controlled or regulated (55) on the basis of at least one concentration (c(t), c(t-1)) of a metal to be extracted or the complex thereof and on the basis of a redox voltage (A(t)) of the electrolyte solution. A device for extracting gold and/or silver and/or at least one platinum metal from at least one starting material has a container, which is designed to receive the starting material and an electrolyte solution, and at least one fluid inlet, at least one UV/Vis spectrometer, and at least one ORP sensor.

IPC 8 full level

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