

Title (en)

PRECIOUS METAL RECOVERY DEVICE AND RECOVERY METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR WIEDERGEWINNUNG VON EDELMETALLEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR RÉCUPÉRER DES MÉTAUX PRÉCIEUX

Publication

**EP 2592177 A4 20160831 (EN)**

Application

**EP 11803636 A 20110706**

Priority

- JP 2010154404 A 20100707
- JP 2011065495 W 20110706

Abstract (en)

[origin: EP2592177A1] Provided is a precious metal recovery device for recovering precious metals from waste fluids containing precious metals using an electrolytic method that can allow uniform precious metals to be deposited stably by suppressing the defect of the short circuit because of the variability in the amount of deposition or deposited particles caused by current abnormality or because of abnormal deposition of precious metals caused by current concentration, and its recovery method. In a precious metal recovery device including a cylindrical expander cathode disposed along an inner circumference of a metallic container that constitutes an electrolytic bath, and a cylindrical expander anode disposed along an outer circumference of the pipe-shaped anode, an upper section of the expander cathode is connected and secured to an upper shoulder section of the metallic container in an inverted L-shape in cross section, a lower section of the expander cathode is connected and secured to a bottom section of the metallic container, and both ends of the expander anode are connected and secured to the pipe-shaped anode in a U-shape in cross section.

IPC 8 full level

**C25C 7/00** (2006.01); **C25C 1/20** (2006.01)

CPC (source: EP KR)

**C25C 1/20** (2013.01 - EP KR); **C25C 7/00** (2013.01 - EP KR)

Citation (search report)

- [A] US 4039422 A 19770802 - PACKER ELLIOT L
- See references of WO 2012005302A1

Cited by

CN106048658A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2592177 A1 20130515; EP 2592177 A4 20160831; EP 2592177 B1 20170830**; CN 102959134 A 20130306; CN 102959134 B 20140305; JP 2012017491 A 20120126; JP 4666418 B1 20110406; KR 101307713 B1 20130911; KR 20130016378 A 20130214; TW 201211318 A 20120316; TW I400360 B 20130701; WO 2012005302 A1 20120112

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