

Title (en)

Stripping apparatus and method for removing an electrodeposited metal layer from a cathode plate

Title (de)

Ablösevorrichtung und Verfahren zur Entfernung einer elektrolytisch abgelagerten Metallschicht von einer Kathodenplatte

Title (fr)

Appareil de décapage et procédé d'enlèvement d'une couche de métal déposée par voie galvanique à partir d'une plaque de cathode

Publication

**EP 2141265 A1 20100106 (EN)**

Application

**EP 08159745 A 20080704**

Priority

EP 08159745 A 20080704

Abstract (en)

Apparatus and method for removing an electrodeposited metal layer from a cathode plate comprising a feeding zone, a metal stripping unit, a discharge zone, and a carousel with a substantially horizontal axis of rotation comprising engaging means such that: (i) in a first position, first engaging means face the end of the conveyor feeding line so as to pivotally engage the first coated cathode plate present on said line; (ii) In a second position, the engaged first cathode is brought into position in the stripping unit by rotation of the carousel, whilst a second coated cathode is engaged into the next engaging means of the carousel; and (iii) In a third position the stripped first cathode plate is discharged onto the discharge zone by further rotation of the carousel whilst the second cathode is brought into position in the stripping unit and a third coated cathode is engaged in the next engaging means facing the conveyor feeding line.

IPC 8 full level

**C25C 7/08** (2006.01)

CPC (source: EP)

**C25C 7/08** (2013.01)

Citation (applicant)

- US 3772003 A 19731113 - GORDY J
- US 4273640 A 19810616 - ROSS RICHARD H C LEB
- US 5565083 A 19961015 - YARCHI YACHIN [IL], et al
- EP 0436602 A1 19910717 - KODAK AG [DE], et al
- US 1553080 A 19250908 - HOWDEN HILL CHARLES
- US 4806213 A 19890221 - LEIPONEN MATTI O [FI], et al
- US 3996127 A 19761207 - RAUTIMO PENTTI J, et al
- JP 3138388 B2 20010226
- JP S5518584 B2 19800520
- JP S62224694 A 19871002 - MITSUBISHI METAL CORP
- WO 02097170 A2 20021205 - AISCO SYSTEMS INC [CA], et al
- US 3625806 A 19711207 - WENNBERG OLOV CARL GUSTAV
- US 3847779 A 19741112 - SEKINE K, et al
- EP 0470033 A2 19920205 - ASTURIANA DE ZINC SA [ES]
- US 3689396 A 19720905 - CASAGRANDE GIANPAOLO, et al
- EP 0482258 A1 19920429 - FALCONBRIDGE LTD [CA]
- US 2007272561 A1 20071129 - MORNHOLM BENGT [SE]

Citation (search report)

- [DA] EP 0482258 A1 19920429 - FALCONBRIDGE LTD [CA]
- [A] US 4209379 A 19800624 - FREEMAN GEORGE M [CA], et al
- [A] US 2007272561 A1 20071129 - MORNHOLM BENGT [SE]

Cited by

CN110408962A; CN102146572A; WO2017144740A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2141265 A1 20100106**; AU 2009265804 A1 20100107; AU 2009265804 B2 20140626; BR PI0915708 A2 20151027; BR PI0915708 B1 20191105; CN 102084036 A 20110601; CN 102084036 B 20140212; EP 2318571 A2 20110511; EP 2318571 B1 20120620; ES 2390007 T3 20121105; WO 2010000717 A2 20100107; WO 2010000717 A3 20100422

DOCDB simple family (application)

**EP 08159745 A 20080704**; AU 2009265804 A 20090630; BR PI0915708 A 20090630; CN 200980125584 A 20090630; EP 09772417 A 20090630; EP 2009058149 W 20090630; ES 09772417 T 20090630