

Title (en)
ELECTROLYSIS TANK COMPRISING AN ANODIC ASSEMBLY HOISTING DEVICE

Title (de)
ELEKTROLYSETANK MIT EINER HEBEVORRICHTUNG FÜR ANODISCHE ANORDNUNGEN

Title (fr)
CUVE D'ELECTROLYSE COMPORTANT UN DISPOSITIF DE LEVAGE D'ENSEMBLE ANODIQUES

Publication
EP 3099840 A4 20180207 (FR)

Application
EP 15739950 A 20150123

Priority
• FR 1400172 A 20140127
• IB 2015000068 W 20150123

Abstract (en)
[origin: WO2015110901A1] The invention relates to an electrolysis tank comprising a casing (1) with a base (10) and transverse and longitudinal side walls (11, 12), the casing (1) and a plurality of anodic assemblies (3) each comprising an anodic structure (32) and at least one anode (31), the tank comprising a plurality of hoisting devices (6) extending along the longitudinal side walls of the casing (1) for moving the anodic assemblies (3), the hoisting devices comprising a jack (61) composed of a body (611) and an actuator strut (612) extending along a longitudinal axis (B-B'), and an anodic receiver (62) for receiving an end of the anodic structure (32), the jack (61) being coupled to the anodic receiver (62) in order to impose thereon a translation movement along a translation axis (T-T'). The invention is characterized in that the longitudinal axis (B-B') of the jack (61) is parallel to and different from the translation axis (T-T') of the anodic receiver (62).

IPC 8 full level
C25C 3/10 (2006.01); **C25C 3/12** (2006.01); **C25C 3/16** (2006.01)

CPC (source: EP RU)
C25C 3/08 (2013.01 - RU); **C25C 3/10** (2013.01 - EP RU); **C25C 3/125** (2013.01 - EP); **C25C 3/16** (2013.01 - EP)

Citation (search report)
• [Y] CA 2596054 A1 20000816 - M I AS [FR], et al
• [Y] US 5286353 A 19940215 - WILKENING SIEGFRIED [DE]
• [IY] LYKOV M G ET AL: "Anode for top current fed aluminium electrolyser - has closed vertical slots and abutments held by jacks", WPI / THOMSON,, vol. 1993, no. 8, 23 March 1992 (1992-03-23), XP002731195 & SU 1721050 A1 19920323 - IR VNI PI ALYUMINIEVOJ [SU]
• [Y] "Top current feed aluminium electrolyser - anode frame with longitudinal bars and cross bar jacks ensure contact during resetting", WPI / THOMSON,, vol. 1976, no. 10, 6 August 1975 (1975-08-06), XP002731196 & SU 458620 A1 19750130
• See also references of WO 2015110901A1

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)
WO 2015110901 A1 20150730; AU 2015208855 A1 20160728; AU 2015208855 B2 20180823; BR 112016015625 A2 20170808; BR 112016015625 B1 20220201; CA 2935439 A1 20150730; CA 2935439 C 20220329; CN 105940146 A 20160914; CN 105940146 B 20180807; DK 179216 B1 20180212; DK 201670537 A1 20160822; EP 3099840 A1 20161207; EP 3099840 A4 20180207; EP 3099840 B1 20190724; FR 3016895 A1 20150731; FR 3016895 B1 20170908; RU 2016134821 A 20180302; RU 2016134821 A3 20181004; RU 2684025 C2 20190403

DOCDB simple family (application)
IB 2015000068 W 20150123; AU 2015208855 A 20150123; BR 112016015625 A 20150123; CA 2935439 A 20150123; CN 201580006072 A 20150123; DK PA201670537 A 20160719; EP 15739950 A 20150123; FR 1400172 A 20140127; RU 2016134821 A 20150123