

Title (en)

Device for careful separation of anodes from their anode bars

Title (de)

Vorrichtung zur Trennung den Anoden von ihren Anodenträgern

Title (fr)

Dispositif de séparation des anodes de leur barre d'anode

Publication

EP 1672099 A2 20060621 (EN)

Application

EP 05027331 A 20051214

Priority

DE 102004060823 A 20041217

Abstract (en)

To create a mechanically operating device for the aluminium-producing industry by which not yet consumed anode blocks (10) that stick to the bottom end stubs (11, 12, 13) of an anode rod (15) by means of metal bushes (16) can be carefully separated from the anode rod, the invention proposes that the device features an impact fork (22) that can be moved upward and downward in the machine frame and which engages with its bottom prongs (20, 21) in the gaps between the anode rod yoke (14) and the upper side of anode block (10) with the impact stroke (24) of the impact fork corresponding to the distance between the fork prongs (20, 21) and the yoke underside (bottom position of the impact fork) and/or the distance between the yoke upper side and the underside of the impact fork mass body (22) (top position of the impact fork).

IPC 8 full level

C25C 3/12 (2006.01)

CPC (source: EP)

C25C 3/125 (2013.01)

Citation (applicant)

- DE 2832520 A1 19800207 - GEWERK EISENHUETTE WESTFALIA
- DE 4128522 A1 19930304 - WESTFALIA BECORIT IND TECH [DE]

Cited by

CN108070879A; CN111453608A; CN104988539A; CN103691639A; WO2019123131A1; WO2019105184A1; WO2023126819A1

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FR IS NL

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DOCDB simple family (publication)

EP 1672099 A2 20060621; EP 1672099 A3 20080709; EP 1672099 B1 20130501; AU 2005244546 A1 20060706; AU 2005244546 B2 20101028; AU 2005244546 B8 20110217; DE 102004060823 A1 20060629; DE 102004060823 B4 20071004

DOCDB simple family (application)

EP 05027331 A 20051214; AU 2005244546 A 20051215; DE 102004060823 A 20041217