

Title (en)

AUTOMATIC AUXILIARY CRANE FOR MAINTAINING AN ELECTROLYSIS INSTALLATION

Title (de)

AUTOMATISCHER HILFSKRAN ZUR AUFRECHTERHALTUNG EINER ELEKTROLYSEANLAGE

Title (fr)

GRUE AUXILIAIRE AUTOMATIQUE POUR LA MAINTENANCE D'UNE INSTALLATION D'ÉLECTROLYSE

Publication

**EP 3460106 A1 20190327 (EN)**

Application

**EP 16891325 A 20160225**

Priority

ES 2016070126 W 20160225

Abstract (en)

The maintenance method of an electrolysis installation comprises the stages of: - Identifying anomalies in the electrodes - Extracting, removing and replacing the anomalous electrodes moving them from the electrolytic tanks of the plant to the repair and replacement area. - Repositioning new electrodes the extraction, removal and replacement of the electrodes as well as the repositioning of new electrodes being carried out by means of an auxiliary crane comprising: - A Main Structure - A Longitudinal Translation System - A Main Lifting System - An Electrode Collection System The automatic auxiliary crane is used for maintenance in an electrolytic cell house, while the function of the Automatic Auxiliary Bridge Crane consists in the handling, inspection and maintenance of Electrodes, identifying anomalies in the electrodes located in the tanks.

IPC 8 full level

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