

Title (en)

A NEW TYPE OF CATHODE ELECTRODE STRUCTURE FOR ELECTROPLATING EQUIPMENT

Title (de)

NEUARTIGE KATHODENELEKTRODENSTRUKTUR FÜR ELEKTROPLATTIERUNGSANLAGEN

Title (fr)

NOUVEAU TYPE DE STRUCTURE D'ÉLECTRODE CATHODIQUE POUR ÉQUIPEMENT D'ÉLECTRODÉPOSITION

Publication

**EP 3929333 A1 20211229 (EN)**

Application

**EP 20181936 A 20200624**

Priority

EP 20181936 A 20200624

Abstract (en)

A cathode electrode structure for a single-sided or double-sided horizontal type electroplating equipment is provided, which includes a conductive shaft connected to an electric source. A soft and flexible conductive layer tubular in shape is sheathed on the conductive shaft and the two ends of the conductive layer are provided with conductive terminals directly contacting the conductive shaft respectively, wherein the outer surface of the conductive layer forms a cathode electrically contacting an object to be plated and a cavity is formed between the inner surface of the conductive layer and the conductive shaft. A buffer cushion layer is disposed inside the cavity, and the outer surface and the inner surface of the buffer cushion layer press against the conductive shaft and the conductive layer. The new electrode structure can avoid that the fragile objects to be damaged due to clip type cathodes during electroplating process and increase the service life of the cathode.

IPC 8 full level

**C25D 17/00** (2006.01)

CPC (source: EP)

**C25D 17/00** (2013.01); **C25D 17/001** (2013.01); **C25D 17/005** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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