Title (en)

Method for anodising areas on metallic hollow bodies

Title (de)

Verfahren zum Eloxieren von Flächen an metallischen Hohlkörpern

Title (fr)

Procédé d'oxydation électrolytique de surfaces sur des corps creux métalliques

Publication

EP 2684986 B1 20161102 (DE)

Application

EP 12176185 A 20120712

Priority

EP 12176185 A 20120712

Abstract (en)

[origin: EP2684986A1] Anodizing surfaces of metallic hollow bodies, comprises clampingly fixing the hollow body (11) at projecting fingers of electrically conductive workpiece support and supplying the workpiece support in a predetermined operating cycle gradually over a series of treatment baths. The treatment baths comprise at least one anodic bath (4). A cathode, which is arranged between the workpiece support and the treatment bath (14), carries the anodic oxidation at the surfaces of the hollow bodies over a closed circuit. The workpiece support is lowered in a transfer station (8) of the treatment baths. Anodizing surfaces of metallic hollow bodies, comprises clampingly fixing the hollow body (11) at projecting fingers of electrically conductive workpiece support and supplying the workpiece support in a predetermined operating cycle gradually over a series of treatment baths. The treatment baths comprise at least one anodic bath (4). A cathode, which is arranged between the workpiece support and the treatment bath (14), carries the anodic oxidation at the surfaces of the hollow bodies over a closed circuit. The workpiece support is lowered in a transfer station (8) of the treatment baths with a horizontal orientation in the treatment bath. The workpiece support within the treatment bath in the horizontal orientation is supplied into at least one removal station of the treatment bath through the steps specified to the operating cycle. The workpiece support is raised in the removal station in a subsequent operating cycle and turned by 180[deg] so that the liquid from the hollow bodies drips off into the treatment bath. The workpiece support is moved in the anodic bath on a metallic rail (15), which is connected with the anode of the circuit.

IPC 8 full level

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CPC (source: EP US)

C25D 7/04 (2013.01 - US); **C25D 11/005** (2013.01 - EP US); **C25D 11/02** (2013.01 - EP US)

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DOCDB simple family (publication)

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