

Title (en)
Dialysis cell assembly in dip coating systems

Title (de)
Dialysezellenanordnung in Tauchbeschichtungsanlagen

Title (fr)
Agencement de cellules de dialyse dans des installations de revêtement immergées

Publication
EP 2119814 A1 20091118 (DE)

Application
EP 08009158 A 20080517

Priority
EP 08009158 A 20080517

Abstract (en)
The dialysis cells arrangement comprises dialysis cells (3), which are arranged in orientation corresponding to the longitudinal direction of an electrophoresis bath (1) and are mounted on a frame (4) inserted in the electrophoresis bath. The dialysis cells are formed from frame and dialysis cells and have overall configuration of a top centric longitudinal slotted tubular body. The slit area enables to guide a hook device of a hanger conveyor to convey the object to be coated through the electrophoresis bath. The dialysis cells are formed as tubular cells. The dialysis cells arrangement comprises dialysis cells (3), which are arranged in orientation corresponding to the longitudinal direction of an electrophoresis bath (1) and are mounted on a frame (4) inserted in the electrophoresis bath. The dialysis cells are formed from frame and dialysis cells and have overall configuration of a top centric longitudinal slotted tubular body. The slit area enables to guide a hook device of a hanger conveyor to convey the object to be coated through the electrophoresis bath. The dialysis cells are formed as tubular cells. The arrangement density of the dialysis cells is adapted along the peripheral of the tubular body configuration corresponding to the surface density distribution over the peripheral of the objects to be coated.

Abstract (de)
Dialysezellenanordnung für Elektrophorese-Bäder zum Tauchbeschichten oder Tauchlackieren metallener Gegenstände wie beispielsweise Autokarosserien, mit einer Mehrzahl von Dialysezellen, wobei die Dialysezellen 3 jeweils in liegender, der Längsrichtung des Elektrophorese-Bads entsprechender Orientierung angeordnet und an einem in das Elektrophorese-Bad eingesetzten Rahmen 4 montiert sind, und die aus Rahmen und Dialysezellen gebildete Dialysezellenanordnung insgesamt die Konfiguration eines oben mittig längsgeschlitzten Rohrkörpers hat, wobei der Schlitzbereich das Durchführen von Hängevorrichtungen eines Hängeförderers zum Befördern der zu beschichtenden Gegenstände durch das Elektrophorese-Bad ermöglicht.

IPC 8 full level
C25D 13/22 (2006.01)

CPC (source: EP)
C25D 13/22 (2013.01)

Citation (search report)
• [XY] DE 19606000 C1 19961219 - DAIMLER BENZ AG [DE]
• [Y] EP 1388596 A2 20040211 - EISENMANN KG MASCHBAU [DE]
• [A] DE 19914374 A1 20001005 - ELEKTRO KOHLE KOELN GMBH & CO [DE]

Cited by
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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