

Title (en)

Method and device of conducting a closed cycle of the bath for plating of coatings.

Title (de)

Verfahren und Anordnung zum Betreiben eines Plattierbades in einem geschlossenen Kreislauf.

Title (fr)

Méthode et dispositif pour opérer un cycle fermé de bain de placage.

Publication

**EP 0132719 A1 19850213 (EN)**

Application

**EP 84108238 A 19840712**

Priority

- PL 24323083 A 19830730
- PL 24440083 A 19831102

Abstract (en)

The device for conducting a closed cycle of the electroplating bath, especially in the process of electroplating, comprising an electrolytic tank, an evaporation device connected with the electrolytic tank through a device feeding the electroplating bath, is characterized in that in the electrolytic tank or in the vicinity thereof heating devices (17) are comprised and in the evaporation chamber of the evaporation device (10) there are no heating devices, the evaporation chamber (2) of the evaporation device is horizontal and comprises a partition (3), the inlet (1) of the bath to the evaporation chamber is situated on the opposite side in relation to the partition (3), the evaporation chamber (2) comprises a perforated conduit (6) or conduits and/or conduits having porous walls, the evaporation chamber (2) is connected from the side of the partition (3) with a separator (4), the upper part of the separator (4) comprises a drop catcher (7), and the lower part of the separator (4) comprises a conduit (5) taking off the concentrated bath to the electrolytic tank (9), the heating device (17) in the tank being connected to a temperature-control system (14, 15, 16) for control of the temperature of the bath.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

**C25D 5/003** (2013.01); **C25D 21/00** (2013.01); **C25D 21/02** (2013.01); **C25D 21/16** (2013.01)

Citation (search report)

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- DE 2729270 B2 19800612
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**EP 0132719 A1 19850213**; **EP 0132719 B1 19880309**; DE 3469764 D1 19880414

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