

Title (en)
Automatic plating apparatus.

Title (de)
Automatische Vorrichtung zum Plattieren.

Title (fr)
Appareil automatique pour plaquer.

Publication
EP 0063653 A1 19821103 (EN)

Application
EP 81301796 A 19810423

Priority
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Abstract (en)
Automatic plating apparatus has a pair of parallel plating lines 1, 2 inter-connected at their ends by lateral conveyor lines 3, 4 to define a rectangular circuit. Each of the plating lines 1, 2 comprises a sequence of equally dimensioned treatment tanks B, C, D, E and H, I, J, K respectively corresponding with successive processing steps of the plating process and a pair of rails 9a, 9b common to and extending over the sequence of treatment tanks and guiding a number of support carriages 11 for objects to be plated so that each support carriage may be located on the rails at a position corresponding to a respective treatment tank. The lateral conveyor lines 3, 4 are provided with lateral carriages 12a, 12b to carry the support carriages 11 from the end of one plating line to the beginning of the other plating line. The apparatus also includes pressure means at the inlet ends 5 and 7 of both the plating lines to propel the support carriages along the rails, means 14 for determining the position of the support carriages at the outlet ends 6, 8 of both the plating lines and vacuum devices located respectively at the inlet end 5 of one plating line and the outlet end 8 of the other plating line for respectively introducing the objects to be plated to successive support carriages at the beginning of one line and removing them from successive carriages at the end of the other line.

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CPC (source: EP)
C25D 17/00 (2013.01); **C25D 17/06** (2013.01); **C25D 17/28** (2013.01)

Citation (search report)
• US 3968020 A 19760706 - NAGANO TOSHIHIRO, et al
• DE 2918141 B1 19800724 - LANGBEIN PFANHAUSER WERKE AG

Cited by
EP0365829A1; EA015069B1; CN115287621A

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