

Title (en)

DEVICE FOR THE ELECTROLYTIC COATING OF SMALL PARTS

Title (de)

VORRICHTUNG ZUR ELEKTROLYTISCHEN BESCHICHTUNG VON KLEINTEILEN

Title (fr)

DISPOSITIF POUR L'ENDUCTION PAR ELECTROLYSE DE PETITES PIECES

Publication

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Application

EP 93903167 A 19930210

Priority

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Abstract (en)

[origin: US5433834A] PCT No. PCT/DE93/00122 Sec. 371 Date Mar. 3, 1994 Sec. 102(e) Date Mar. 3, 1994 PCT Filed Feb. 10, 1993 PCT Pub. No. WO93/17155 PCT Pub. Date Sep. 2, 1993. An apparatus for electrolytically coating small parts, e.g. by electrophoretic deposition from a liquid coating agent, has a screw-type conveyor which can have a tube open at opposite ends to form an inlet and outlet for the parts which are advanced through the tube by screw conveyor means like a helical ribbon. The inlet side of the tube is immersed in a basin of the liquid coating agent whose side walls and front wall form weirs determining the level of the liquid coating agent in the tube while the liquid passes from the tube into a catch basin beyond the rear wall through perforations in the tube. The contacts traversing the tube wall are electrically-conductively coupled to the parts and are tied to one terminal of the DC power source whose other terminal is connected to a plate immersed in the dipping basin.

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US 5433834 A 19950718; AT E134000 T1 19960215; AU 3448393 A 19930913; AU 663924 B2 19951026; CA 2124082 A1 19930902; CA 2124082 C 19990803; CZ 204394 A3 19950614; CZ 282864 B6 19971112; DE 4205672 A1 19930826; DE 4205672 C2 19950420; DE 4390620 D2 19960111; DE 59301602 D1 19960321; DK 0627022 T3 19960409; EP 0627022 A1 19941207; EP 0627022 B1 19960207; ES 2083279 T3 19960401; HU 216495 B 19990728; HU 9401403 D0 19940829; HU T68104 A 19950529; JP 2613173 B2 19970521; JP H07503500 A 19950413; KR 100212875 B1 19990802; WO 9317155 A1 19930902

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