

Title (en)
PROCESS AND APPARATUS FOR CONTROLLING THE AMOUNT OF METAL ELECTROLYTICALLY DEPOSITED ON A CONTINUOUSLY MOVING STRIP

Publication
EP 0227517 B1 19900509 (FR)

Application
EP 86402522 A 19861113

Priority
FR 8517095 A 19851119

Abstract (en)
[origin: US4699694A] Process for regulating the quantity of metal electrolytically deposited on a continuously travelling band to be coated in a coating plant comprising a plurality of tanks filled with electrolyte. The process comprises determining experimental curves of the yield as a function of the strength of the supply current of each bridge of the plant, collecting (32) indications relating to the bridges in operation or out of operation, establishing analog values of the strength for each bridge and of the maximum strength of the current for all of the bridges, measuring the velocity of the travel of the band (37), establishing set values (39) relating to the quantity of metal to be deposited, measuring the total quantity of metal deposited by means of a gauge employing a periodic scanning, determining the lower and upper means of the quantity of metal measured by the gauge in each scan, and establishing a regulation model from the aforementioned data.

IPC 1-7
C25D 21/12

IPC 8 full level
C25D 7/06 (2006.01); **C25D 21/12** (2006.01)

CPC (source: EP US)
C25D 21/12 (2013.01 - EP US)

Cited by
AT516722A4; AT516722B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
US 4699694 A 19871013; AT E52546 T1 19900515; CA 1308686 C 19921013; DE 3671045 D1 19900613; EP 0227517 A1 19870701; EP 0227517 B1 19900509; ES 2016270 B3 19901101; FR 2590278 A1 19870522; FR 2590278 B1 19880205; GR 3000694 T3 19910927; JP H0765238 B2 19950712; JP S62260099 A 19871112

DOCDB simple family (application)
US 93201386 A 19861118; AT 86402522 T 19861113; CA 523178 A 19861118; DE 3671045 T 19861113; EP 86402522 A 19861113; ES 86402522 T 19861113; FR 8517095 A 19851119; GR 900400556 T 19900803; JP 27640486 A 19861119