

Title (en)

Process for the controlled regulation of an apparatus for coating of strip material

Title (de)

Verfahren zum prozessgerechten Regeln einer Anlage zum Beschichten von bandförmigem Gut

Title (fr)

Procédé pour la réglage contrôlé d'une installation de revêtement de matière en forme de bande

Publication

EP 0659897 B1 19960529 (DE)

Application

EP 94250293 A 19941206

Priority

DE 4344939 A 19931223

Abstract (en)

[origin: EP0659897A1] Process control method for a strip coating plant in which a metal strip (1) is passed through a container (2) with molten coating material, e.g. zinc, and through a lower channel (3), in which induced currents in the coating material are produced by an electromagnetic travelling field. The induced currents acting together with the electromagnetic travelling field generate an electromagnetic force to hold back the coating material. The novelty is that the electromagnetic travelling field is supplied by inductors (4,5) supplied by at least one inverter with output signals whose frequency can be changed and/or whose amplitude and wave form can be set.

IPC 1-7

C23C 2/24

IPC 8 full level

C23C 2/24 (2006.01)

CPC (source: EP)

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Cited by

AU2004256166B2; DE10055979B4; CN111926279A; EP1760167A3; DE10302745B4; US7476276B2; WO2005005681A1; WO2004046413A3; DE102009051932A1; WO2011054902A1

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