

Title (en)
DEVICE FOR HOT-DIP COATING METAL BAND

Title (de)
VORRICHTUNG ZUM SCHMELZTAUCHBESCHICHTEN VON METALLBAND

Title (fr)
DISPOSITIF POUR REVETIR DES BANDES DE METAL PAR IMMERSION EN BAIN CHAUD

Publication
EP 0910681 A1 19990428 (DE)

Application
EP 97931704 A 19970701

Priority
• DE 9701412 W 19970701
• DE 19628512 A 19960705

Abstract (en)
[origin: US6254680B1] The invention relates to an apparatus for coating a metal strip passed through a container which holds the melted coating material. A channel is connected to the container which encloses the material in the form of a strip beneath the melt bath level. Channel currents are induced in the coating material by means of inductors and cause an electromagnetic force in order to hold the coating material back. The channel is attached to the base of the container such that it is easily detachable and comprises a plurality of parts which can be separated in the strip running direction, are sealed with respect to one another and can individually be moved away from the strip, transversely with respect to the strip running direction, to replace the channel with the strip located in it, after releasing the separation connection.

IPC 1-7
C23C 2/24

IPC 8 full level
C23C 2/00 (2006.01); **C23C 2/24** (2006.01)

CPC (source: EP KR US)
B05C 3/125 (2013.01 - EP KR US); **B05C 9/04** (2013.01 - KR); **C23C 2/00** (2013.01 - EP US); **C23C 2/0035** (2022.08 - EP KR US); **C23C 2/00362** (2022.08 - EP KR US); **C23C 2/006** (2013.01 - KR); **C23C 2/24** (2013.01 - EP KR US); **B05C 9/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9801595A1

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

DOCDB simple family (publication)
US 6254680 B1 20010703; AT E192509 T1 20000515; AU 3538197 A 19980202; CA 2259409 A1 19980115; CA 2259409 C 20060905; DE 19628512 C1 19970904; DE 59701594 D1 20000608; EP 0910681 A1 19990428; EP 0910681 B1 20000503; ES 2145615 T3 20000701; JP 2000514141 A 20001024; JP 3774235 B2 20060510; KR 100498671 B1 20050701; KR 20000067851 A 20001125; WO 9801595 A1 19980115

DOCDB simple family (application)
US 21448299 A 19990209; AT 97931704 T 19970701; AU 3538197 A 19970701; CA 2259409 A 19970701; DE 19628512 A 19960705; DE 59701594 T 19970701; DE 9701412 W 19970701; EP 97931704 A 19970701; ES 97931704 T 19970701; JP 50465298 A 19970701; KR 19997000020 A 19990105