

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 B1 20000503 (DE)

Application
EP 97931704 A 19970701

Priority
• DE 9701412 W 19970701
• DE 19628512 A 19960705

Abstract (en)
[origin: DE19628512C1] This invention concerns a device for coating band-shaped material in which a metal band is guided through a container of the molten coating material which has a channel surrounding the band-shaped material beneath the surface level of the melting bath in which flux is induced through the coating material using inductors which cause an electromagnetic force for retention of the coating material. The channel (7) is mounted so as to be easily detachable at the bottom of the container (1) and consists of several parts (6a-6d) which are sealed off against each other and can be separated in the direction of the band travel and can each be moved transversal to the travel of the band after separation of the detachable connection for changing the channel (7) when it contains a band (3).

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)

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