

Title (en)

PROCESS FOR STABILISING STRIP IN A PLANT FOR COATING STRIP MATERIAL

Title (de)

VERFAHREN ZUR BANDSTABILISIERUNG IN EINER ANLAGE ZUM BESCHICHTEN VON BANDFÖRMIGEM GUT

Title (fr)

PROCEDE POUR STABILISATION DE BANDE DANS UNE INSTALLATION DE REVETEMENT DE MATERIAUX EN FORME DE BANDE

Publication

EP 0854940 B1 20010530 (DE)

Application

EP 96938011 A 19960904

Priority

- DE 9601715 W 19960904
- DE 19535854 A 19950918

Abstract (en)

[origin: US6194022B1] A process for stabilizing strip in a plant for coating strip material, in which a metal strip is taken through a container holding molten coating material that has, below the melt surface, a through channel, in which induction currents are induced by an electromagnetic travelling field in the coating material and, in interaction with the electromagnetic travelling field, generate an electromagnetic force to retain the coating material. In the region of the through channel, a controllable magnetic field superimposed on the modulation of the electromagnetic travelling field is applied, whose field strength and/or frequency are adjustable as a function of sensor-detected position of the strip in the coating channel.

IPC 1-7

C23C 2/24

IPC 8 full level

C23C 2/00 (2006.01); **C23C 2/24** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR US)

C23C 2/24 (2013.01 - EP KR US)

Cited by

DE102004061114A1; DE102009051932A1; WO2011054902A1; US10982307B2

Designated contracting state (EPC)

AT BE DE ES FI FR GB IT LU NL SE

DOCDB simple family (publication)

US 6194022 B1 20010227; AT E201719 T1 20010615; AU 711871 B2 19991021; AU 7560396 A 19970409; CA 2232290 A1 19970327; CA 2232290 C 20080311; DE 19535854 A1 19970320; DE 19535854 C2 19971211; DE 59607014 D1 20010705; EP 0854940 A1 19980729; EP 0854940 B1 20010530; ES 2157014 T3 20010801; JP H11512489 A 19991026; KR 100415069 B1 20040326; KR 19990044375 A 19990625; RU 2192499 C2 20021110; WO 9711206 A1 19970327

DOCDB simple family (application)

US 2969198 A 19980723; AT 96938011 T 19960904; AU 7560396 A 19960904; CA 2232290 A 19960904; DE 19535854 A 19950918; DE 59607014 T 19960904; DE 9601715 W 19960904; EP 96938011 A 19960904; ES 96938011 T 19960904; JP 51230997 A 19960904; KR 19980701619 A 19980303; RU 98107137 A 19960904