

Title (en)

Process for continuously coating a metallurgical product in continuous motion with an organic coating and apparatus therefor

Title (de)

Verfahren zum Beschichten von sich bewegenden metallurgischen Produkten mit einer organischen Beschichtung und Vorrichtung dafür

Title (fr)

Procédé d'application en continu d'un revêtement organique sur un produit métallurgique en défilement et dispositif pour sa mise en oeuvre

Publication

EP 0842709 B1 20020327 (FR)

Application

EP 97402397 A 19971013

Priority

FR 9613772 A 19961113

Abstract (en)

[origin: EP0842709A1] The method involves applying, for example, a resin product to a continuously moving steel strip (7) so it receives a coating from pick-up (4) and applicator (5) rollers. A current is generated in the liquid in front of the coating zone to drive any air bubbles to the surface so they burst. The coating apparatus consists of a bath (2) for the coating liquid (3) which is fed continuously down a sloping surface (1), while the current is created by a roller (8) which is partially immersed in the liquid and turns in the same direction as the pick-up roller and at a speed which is between 5 and 15 per cent of that of the steel strip.

IPC 1-7

B05D 1/28; **B05C 11/10**; **B05C 1/08**

IPC 8 full level

B05C 1/08 (2006.01); **B05D 1/18** (2006.01); **B05D 1/28** (2006.01); **B05D 3/00** (2006.01); **B05D 7/14** (2006.01)

CPC (source: EP US)

B05C 1/0813 (2013.01 - EP US); **B05C 1/0834** (2013.01 - EP US); **B05D 1/18** (2013.01 - EP US); **B05D 1/28** (2013.01 - EP US)

Cited by

CN108993821A

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0842709 A1 19980520; **EP 0842709 B1 20020327**; AT E214973 T1 20020415; CA 2221124 A1 19980513; DE 69711328 D1 20020502; DE 69711328 T2 20020919; ES 2171861 T3 20020916; FR 2755702 A1 19980515; FR 2755702 B1 19981211; JP H10137651 A 19980526; US 5935658 A 19990810

DOCDB simple family (application)

EP 97402397 A 19971013; AT 97402397 T 19971013; CA 2221124 A 19971112; DE 69711328 T 19971013; ES 97402397 T 19971013; FR 9613772 A 19961113; JP 32706597 A 19971112; US 96965497 A 19971113