

Title (en)

Process of galvanizing a strip and arrangement for carrying out the process.

Title (de)

Verfahren zum Verzinken eines Bandes sowie Anlage zur Durchführung des Verfahrens.

Title (fr)

Procédé pour galvaniser un feuillard et installation pour la mise en oeuvre de ce procédé.

Publication

EP 0564437 B1 19950920 (DE)

Application

EP 93890052 A 19930323

Priority

AT 65392 A 19920331

Abstract (en)

[origin: EP0564437A1] In a process for galvanising a strip (1), the strip (1) is continuously coated with zinc, is then subjected, in order to form a Zn-Fe layer, to a heat treatment in a tunnel furnace (10, 11), followed by on-line inspection of the zinc layer, the galvanising process being controlled as a function of the zinc layer. In order to be able to produce a strip (1) having a defined coating structure while ensuring uniform quality, the through-reaction of the Zn-Fe layer is ascertained by measuring the radiation emission of the strip surface during or after the heat treatment by means of at least one pyrometer (14), and through-reaction at the position of the pyrometer is ensured by varying the tunnel furnace (10, 11) heat output which serves as the manipulated variable of a control process which proceeds as a function of the pyrometer indication (Figure 1). <IMAGE>

IPC 1-7

C23C 2/28; **C25D 5/50**; **G01N 23/207**

IPC 8 full level

C23C 2/06 (2006.01); **C23C 2/28** (2006.01); **C25D 5/50** (2006.01); **C25D 7/06** (2006.01); **G01N 23/207** (2006.01)

CPC (source: EP US)

C23C 2/28 (2013.01 - EP US); **C25D 5/50** (2013.01 - EP)

Cited by

DE102009053368A1; EP4116456A1; WO0186017A1; WO9915709A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0564437 A1 19931006; **EP 0564437 B1 19950920**; AT 397814 B 19940725; AT A65392 A 19931115; AT E128191 T1 19951015; DE 59300611 D1 19951026; JP H06207296 A 19940726

DOCDB simple family (application)

EP 93890052 A 19930323; AT 65392 A 19920331; AT 93890052 T 19930323; DE 59300611 T 19930323; JP 7466293 A 19930331