

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 0571353 B1 19960131 (DE)**

Application

**EP 93890053 A 19930323**

Priority

AT 65492 A 19920331

Abstract (en)

[origin: EP0571353A2] In a process for galvanising a strip (1) the strip (1) is continuously coated with zinc, is then, so as to form a Zn-Fe layer, subjected to a heat treatment in a continuous furnace (10, 11), followed by on-line monitoring of the zinc layer, the iron content of the zinc layer being measured and the galvanising operation being controlled as a function of the iron content of the zinc layer. In order to be able to manufacture a strip (1) having a defined layer structure ensuring uniform quality, a value of the iron content of the Zn-Fe layer is determined as a reference input variable, the actual value of the iron content of the Zn-Fe layer is compared with the reference input variable and any system deviation is compensated via a controller (19) by means of a change in the continuous furnace (10, 11) heating output which serves as the manipulated variable (Fig. 1). <IMAGE>

IPC 1-7

**C23C 2/28**

IPC 8 full level

**C23C 2/06** (2006.01); **C23C 2/28** (2006.01); **C25D 7/06** (2006.01)

CPC (source: EP US)

**C23C 2/28** (2013.01 - EP US); **C23C 2/29** (2022.08 - EP US)

Citation (examination)

- BE 652482 A 19641216
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- NKK Technical Review Nr. 63 (1991), Seiten 23-31
- KAWASAKI Alloy Sensor, Continuous Measuring System for the Fe of Galvannealed Coating, gedruckt in Japan Okt. 1988
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**EP 0571353 A2 19931124; EP 0571353 A3 19940126; EP 0571353 B1 19960131; EP 0571353 B2 20000126**; AT 397815 B 19940725; AT A65492 A 19931115; AT E133717 T1 19960215; DE 59301528 D1 19960314; JP H06207297 A 19940726

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