

Title (en)

METHOD FOR CONTROLLING THE COATING WEIGHT FOR STRIP-PHOSPHATING

Title (de)

SCHICHTGEWICHTSTEUERUNG BEI BANDPHOSPHATIERUNG

Title (fr)

COMMANDE DE POIDS DE COUCHE LORS DE LA PHOSPHATATION D'UNE BANDE

Publication

**EP 1090160 A1 20010411 (DE)**

Application

**EP 99937820 A 19990220**

Priority

- DE 19808755 A 19980302
- EP 9901108 W 19990220

Abstract (en)

[origin: US6461450B1] A process for controlling the layer weight during the phosphating of steel strip zinc-coated on one or both sides, using a phosphating solution which contains 1 to 6 g/l zinc ions and 10 to 30 g/l phosphate ions, characterized in that a Fe(II) ion content within the range of 3 to 100 mg/l is established in the phosphating solution. The higher the Fe(II) content, the lower is the layer weight. An alteration in the Fe(II) content of 3 to 20 mg/l results in an alteration in the layer weight of about 0.1 g/m<sup>2</sup>.

IPC 1-7

**C23C 22/12**; **C23C 22/13**; **C23C 22/18**

IPC 8 full level

**C23C 22/12** (2006.01); **C23C 22/13** (2006.01); **C23C 22/17** (2006.01); **C23C 22/18** (2006.01); **C23C 22/22** (2006.01); **C23C 22/77** (2006.01)

CPC (source: EP KR US)

**C23C 22/12** (2013.01 - EP US); **C23C 22/13** (2013.01 - EP US); **C23C 22/184** (2013.01 - EP KR US); **C23C 22/188** (2013.01 - KR); **C23C 22/77** (2013.01 - KR)

Citation (search report)

See references of WO 9945171A1

Cited by

DE102018202867A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL

DOCDB simple family (publication)

**US 6461450 B1 20021008**; AT E239807 T1 20030515; AU 3253499 A 19990920; DE 19808755 A1 19990909; DE 59905477 D1 20030612; EP 1090160 A1 20010411; EP 1090160 B1 20030507; JP 2002505383 A 20020219; KR 20010074665 A 20010808; WO 9945171 A1 19990910

DOCDB simple family (application)

**US 62333401 A 20010216**; AT 99937820 T 19990220; AU 3253499 A 19990220; DE 19808755 A 19980302; DE 59905477 T 19990220; EP 9901108 W 19990220; EP 99937820 A 19990220; JP 2000534698 A 19990220; KR 20007009745 A 20000902