

Title (en)

PROCESS AND DEVICE FOR PRODUCING A GALVANIZED STEEL SHEET OR STRIP NOT COATED BY PURE ZINC AT AT LEAST ONE SURFACE

Publication

**EP 0162989 B1 19880316 (FR)**

Application

**EP 84401121 A 19840530**

Priority

EP 84401121 A 19840530

Abstract (en)

[origin: ES292492U] The invention relates to a process for manufacturing a strip of hot galvanized sheet steel devoid of a coating of pure Zn or a coating based on Zn on at least one side of the strip, comprising passing the strip continuously in a conventional dipping galvanization bath, wiping by pneumatic means a part of the coating of liquid Zn deposited on the strip, and subjecting at least one side of the strip to a mechanical action for completely eliminating the coating based on zinc which is not alloyed to the iron, by allowing to subsist only a thin iron-zinc alloy layer, said mechanical action on the layer of coating based on zinc which is still liquid being exerted by means of a brush at least the bristles of which are energetically cooled. The invention also provides a cooled brushing device (10) for carrying out the process.

IPC 1-7

**C23C 2/20**

IPC 8 full level

**C23C 2/06** (2006.01); **C23C 2/20** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR US)

**C23C 2/06** (2013.01 - KR); **C23C 2/22** (2013.01 - EP US)

Cited by

RU2615392C2; EP0249234A1; CN108779542A; EP3396009A4; US11168389B2; EP3396009B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0162989 A1 19851204; EP 0162989 B1 19880316**; AT E33043 T1 19880415; AU 4315285 A 19851205; AU 575650 B2 19880804; BR 8502567 A 19860204; CA 1225550 A 19870818; CS 273605 B2 19910312; CS 385585 A2 19900814; DE 3469917 D1 19880421; ES 292492 U 19860601; ES 292492 Y 19870216; ES 544304 A0 19860901; ES 8609503 A1 19860901; KR 850007985 A 19851211; KR 900000299 B1 19900125; MX 162647 A 19910610; SU 1389685 A3 19880415; US 4594272 A 19860610

DOCDB simple family (application)

**EP 84401121 A 19840530**; AT 84401121 T 19840530; AU 4315285 A 19850530; BR 8502567 A 19850529; CA 482663 A 19850529; CS 385585 A 19850529; DE 3469917 T 19840530; ES 292492 U 19860214; ES 544304 A 19850530; KR 850003769 A 19850530; MX 20543085 A 19850529; SU 3899255 A 19850529; US 73908085 A 19850529