

Title (en)

METHOD AND APPARATUS FOR CONTINUOUSLY PRODUCING AN OVERAGED STEEL STRIP COATED WITH ZINC, ALUMINIUM OR AN ALUMINIUM-ZINC ALLOY

Publication

**EP 0126696 B1 19871111 (FR)**

Application

**EP 84401067 A 19840523**

Priority

FR 8308508 A 19830524

Abstract (en)

[origin: US4530858A] The present invention relates to a continuous coating process by a layer of Zn, Al or of a Zn-Al alloy for a cold laminated steel band comprising a heating thermic cycle, followed by a rapid cooling, a tempered coating in the metal bath of coating in fusion, at a temperature from 460 DEG to 500 DEG C., and a subsequent cooling, characterized in that after the tempered coating, the coated steel band is subjected to an over-aging treatment by maintaining the band at a temperature comprised between 430 DEG and 270 DEG C. during at least two minutes. This process is carried out in an installation comprising an over-aging chamber.

IPC 1-7

**C21D 9/52**; **C23C 2/28**

IPC 8 full level

**C23C 2/02** (2006.01); **C21D 9/52** (2006.01); **C23C 2/28** (2006.01)

CPC (source: EP US)

**C21D 9/52** (2013.01 - EP US); **C23C 2/28** (2013.01 - EP US); **C23C 2/29** (2022.08 - EP US)

Cited by

EP0276457A3; EP0959145A1; US9005958B2; US8431401B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0126696 A1 19841128**; **EP 0126696 B1 19871111**; **EP 0126696 B2 19920219**; AT E30744 T1 19871115; AU 3057884 A 19860116; AU 569094 B2 19880121; CA 1215889 A 19861230; DE 3467376 D1 19871217; ES 533091 A0 19851016; ES 541797 A0 19880216; ES 8600788 A1 19851016; ES 8801711 A1 19880216; FR 2546534 A1 19841130; FR 2546534 B1 19890421; JP S6052529 A 19850325; US 4530858 A 19850723; US 4620501 A 19861104

DOCDB simple family (application)

**EP 84401067 A 19840523**; AT 84401067 T 19840523; AU 3057884 A 19840713; CA 454889 A 19840523; DE 3467376 T 19840523; ES 533091 A 19840523; ES 541797 A 19850315; FR 8308508 A 19830524; JP 10375684 A 19840524; US 61295884 A 19840523; US 72431885 A 19850417