

Title (en)

Steel tube having improved corrosion-resistance and method for manufacturing the same

Title (de)

Stahlrohr mit verbesserter Korrosionbeständigkeit und Verfahren zur Herstellung

Title (fr)

Tube d'acier ayant une résistance à la corrosion améliorée et méthode pour sa fabrication

Publication

**EP 1760166 A3 20080416 (EN)**

Application

**EP 06116733 A 20060706**

Priority

KR 20050081692 A 20050902

Abstract (en)

[origin: EP1760166A2] Disclosed is a steel tube with superior corrosion-resistance treated with plating and a manufacturing method of the same. The manufacturing method of the steel tube includes the steps of: preheating a steel tube formed through a milling process; maintaining the temperature of the preheated steel tube above a predetermined temperature, and creating a reduction atmosphere; melting an Al-Zn alloy containing 55 wt% of aluminum and 43.4-44.9 wt.% of zinc, and plating the molten alloy over the surface of the steel tube; cooling the steel tube; and coating the surface of the steel tube with a resin.

IPC 8 full level

**C23C 2/02** (2006.01); **C23C 2/12** (2006.01); **C23C 2/26** (2006.01)

CPC (source: EP KR US)

**B05D 7/146** (2013.01 - EP); **B21D 51/00** (2013.01 - KR); **C21D 1/00** (2013.01 - KR); **C23C 2/00** (2013.01 - EP KR US); **C23C 2/00342** (2022.08 - EP KR US); **C23C 2/0035** (2022.08 - EP KR US); **C23C 2/00362** (2022.08 - EP KR US); **C23C 2/0038** (2022.08 - EP KR US); **C23C 2/0222** (2022.08 - EP KR US); **C23C 2/0224** (2022.08 - EP KR US); **C23C 2/024** (2022.08 - EP KR US); **C23C 2/12** (2013.01 - EP); **C23C 2/16** (2013.01 - EP); **C23C 2/24** (2013.01 - EP); **C23C 2/26** (2013.01 - EP KR US); **C23C 28/00** (2013.01 - EP); **C23C 28/021** (2013.01 - EP); **B05D 2350/65** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 06116733 A 20060706**; CN 200610112176 A 20060815; JP 2006186782 A 20060706; KR 20050081692 A 20050902