

Title (en)

METHOD FOR PRODUCING MOLTEN ALUMINUM-PLATED STEEL WIRE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIT GESCHMOLZENEM ALUMINIUM PLATTIERTEM STAHL DRAHT

Title (fr)

PROCÉDÉ DE PRODUCTION DE FIL D'ACIER PLAQUÉ D'ALUMINIUM LIQUIDE

Publication

EP 3438318 A4 20191023 (EN)

Application

EP 17775500 A 20170330

Priority

- JP 2016070331 A 20160331
- JP 2017013474 W 20170330

Abstract (en)

[origin: EP3438318A1] Provided is a method for producing a molten aluminum-plated steel wire in which a steel wire (2) is immersed in a molten aluminum plating bath (1), the resulting molten aluminum-plated steel wire (3) is subsequently pulled up from the molten aluminum plating bath (1) and a stabilizing member (11) is brought into contact with the bath surface (10) of the molten aluminum plating bath (1) and the molten aluminum-plated steel wire (3) at the boundary between the molten aluminum-plated steel wire (3) and the bath surface (10) of the molten aluminum plating bath (1), a nozzle (12) for blowing an inert gas is arranged in a position facing the stabilizing member (11) with the molten aluminum-plated steel wire (3) therebetween, and an inert gas is blown from the tip (12a) of the nozzle (12) toward the boundary at a pressure of 0.1-20 kPa.

IPC 8 full level

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CPC (source: EP KR US)

C23C 2/12 (2013.01 - EP KR US); **C23C 2/18** (2013.01 - EP US); **C23C 2/185** (2013.01 - KR US); **C23C 2/22** (2013.01 - EP US); **C23C 2/38** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP US); **C23C 2/38** (2013.01 - KR)

Citation (search report)

- [X] JP 2015134961 A 20150727 - NISSHIN STEEL CO LTD
- [A] WO 2016002040 A1 20160107 - NISSHIN STEEL CO LTD [JP] & EP 3165628 A1 20170510 - NISSHIN STEEL CO LTD [JP]

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