

Title (en)  
CONTINUOUS HOT-DIP METAL PLATING METHOD, HOT-DIP ZINC-PLATED STEEL STRIP, AND CONTINUOUS HOT-DIP METAL PLATING EQUIPMENT

Title (de)  
KONTINUIERLICHES SCHMELZTAUCHVERFAHREN, FEUERVERZINKTES STAHLBAND UND AUSRÜSTUNG FÜR KONTINUIERLICHES SCHMELZTAUCHVERFAHREN

Title (fr)  
PROCÉDÉ DE MÉTALLISATION PAR IMMERSION À CHAUD EN CONTINU, BANDE D'ACIER ZINGUÉE PAR IMMERSION À CHAUD ET MATÉRIEL DE MÉTALLISATION PAR IMMERSION À CHAUD EN CONTINU

Publication  
**EP 3205741 A4 20170830 (EN)**

Application  
**EP 15848228 A 20150916**

Priority  
• JP 2014206882 A 20141008  
• JP 2015004715 W 20150916

Abstract (en)  
[origin: EP3205741A1] To provide a continuous hot-dip metal coating method that uses a gas wiping nozzle to control the coating weight and prevents occurrence of coating surface defects so that high-quality hot-dip metal-coated steel strips can be stably manufactured at a low cost. A galvanized steel strip and a continuous hot-dip metal coating facility are also provided. A continuous hot-dip metal coating method includes continuously immersing a steel strip into a molten metal bath and blowing gas from a gas wiping nozzle onto the steel strip immediately after the steel strip is withdrawn from the molten metal bath so as to control a coating weight, in which a temperature T of wiping gas to be injected from the gas wiping nozzle is controlled on a basis of a D/B value, which is a ratio of a distance D between a tip of the gas wiping nozzle and the steel strip to a gap B of the gas wiping nozzle.

IPC 8 full level  
**C23C 2/20** (2006.01); **C22C 18/04** (2006.01); **C23C 2/06** (2006.01)

CPC (source: EP KR)  
**C22C 18/04** (2013.01 - EP KR); **C23C 2/06** (2013.01 - EP KR); **C23C 2/20** (2013.01 - EP KR); **C23C 2/40** (2013.01 - KR); **C23C 2/52** (2022.08 - KR)

Citation (search report)  
• [XA] WO 2014135753 A1 20140912 - ARCELORMITTAL INVESTIGACION Y DESARROLLO SL [ES]  
• [A] JP H09195024 A 19970729 - NIPPON KOKAN KK  
• See references of WO 2016056178A1

Cited by  
US11104983B2; US2021310109A1; US11802329B2; EP4253592A3; US11655531B2; US11332816B2; US11643714B2; WO2019057635A1

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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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