

Title (en)
ZINC DIFFUSION COATING METHOD

Title (de)
ZINKDIFFUSIONSBESCHICHTUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE REVÊTEMENT DE DIFFUSION DE ZINC

Publication
EP 2391742 A1 20111207 (DE)

Application
EP 10702601 A 20100127

Priority
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Abstract (en)
[origin: WO2010086151A1] A method for diffusion coating a surface of a metal substrate with zinc comprises the steps of: a1) applying a suspension, comprising a liquid and zinc and/or a zinc alloy as a diffusion source or zinc donor, onto the surface of the substrate to be coated, or a2) applying a liquid onto the surface of the substrate to be coated and subsequently applying zinc and/or a zinc alloy as a diffusion source or zinc donor onto the liquid; and b) drying the substrate obtained in step a1) or a2); c) carrying out a heat treatment of the substrate obtained in step b) at a temperature between 200 and 500°C, but below the melting temperature of the diffusion source in a shielding gas atmosphere; and d) removing the mixture applied in step a1) or a2).

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