

Publication

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Application

EP 97100964 A 19970122

Priority

US 59243996 A 19960126

Abstract (en)

[origin: EP0786539A2] The inventors disclose a process for reducing high current density edge buildup dendrite formation, edge burn, controlling high current density roughness, grain size, and orientation of a zinc coating obtained from an aqueous zinc acidic electrogalvanic coating bath comprising passing a high density current from a zinc anode in the bath to a metal cathode in the bath for a period of time sufficient to deposit a zinc coating on the cathode. The bath contains greater than about 5g/l of a water soluble zinc organosulfonate. A random or block polyoxyalkylene glycol homopolymer or copolymer based on 2 to about 4 carbon atom alkylene oxides. The inventors employ current densities from about 250 to about 4,000 ASF, and optionally, a sulfonated condensation product of naphthalene and formaldehyde, a boron oxide compound, and a lignin compound. The invention also comprises bath compositions.

IPC 1-7

C25D 3/22; **C25D 3/56**

IPC 8 full level

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CPC (source: EP KR)

C25D 3/22 (2013.01 - EP KR); **C25D 3/565** (2013.01 - EP KR)

Citation (search report)

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