

Title (en)
ZINC ALLOY ELECTROPLATING BATHS AND PROCESSES

Title (de)
ZINNLEGIERUNGSGALVANISIERUNGSBÄDER UND -VERFAHREN

Title (fr)
BAINS ET PROCÉDÉS D'ÉLECTROPLACAGE D'ALLIAGE DE ZINC

Publication
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Application
EP 09820962 A 20090828

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Abstract (en)
[origin: WO2010044957A1] The present invention relates to the electrodeposition of zinc nickel alloy on a variety of electrically conducting substrates in a medium which seeks to provide improved deposit distribution and operable current density range. This is achieved through a bath comprising zinc ions, nickel metal ions, and a suitable combination of one or more urea based polymers and non-polymeric complexing agents capable of holding nickel metal ions in alkaline solution and an electrolytic process whereby the bath is used to electrodeposit zinc nickel alloy on electrically conducting substrates.

IPC 8 full level
C25D 3/56 (2006.01)

CPC (source: EP US)
C25D 3/565 (2013.01 - EP US)

Citation (search report)
• [XYI] US 2006201820 A1 20060914 - OPASKAR VINCENT C [US], et al
• [A] US 6652728 B1 20031125 - SONNTAG BIRGIT [DE], et al
• [Y] US 7109375 B2 20060919 - HERDMAN RODERICK DENNIS [GB], et al
• See references of WO 2010044957A1

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DOCDB simple family (application)
US 2009055317 W 20090828; CN 200980138583 A 20090828; EP 09820962 A 20090828; ES 09820962 T 20090828; JP 2011532108 A 20090828; TW 98134271 A 20091009; US 25326708 A 20081017