Non-cyanide Alkaline Zn-Fe Alloy Electroplating Bath & Process
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A non-cyanide alkaline Zn-Fe alloy plating bath and process have been investigated. Research focused on how the iron content in the electrodeposited Zn-Fe alloy varies with the bath components and operating conditions. An alloy that contains 0.3–0.7 wt% Fe had superior corrosion resistance. Applications of the alloy film, as well as X-ray and SEM analysis, are discussed.

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