

Title (en)  
A METAL ALLOY

Title (de)  
METALLLEGIERUNG

Title (fr)  
ALLIAGE DE METAL

Publication  
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Application  
**EP 10731426 A 20100114**

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Abstract (en)  
[origin: WO2010082811A1] The present invention discloses a zinc alloy wherein the composition comprising of, by weight, 0.75-4.75 % of aluminum, 0.45-3 % of copper, 0.07-0.09 % of magnesium, 0.05-1.5 % of nickel and the balance being zinc preferably at purity of 99.995 % or any combination thereof. The said zinc alloy may also contain, by weight, 0.1-1 % of tin and/or 0.03-0.5% of silver. The said zinc alloy may also contain, by weight, 0.05-2.5 % of bismuth with or without 0.45-3 % of copper. For sheet rolling process, tin of 13-30% by weight may be added for producing a zinc alloy which can be rolled. The present invention further discloses a zinc alloy wherein the composition comprising of, by weight, 0.15-0.40 % of magnesium, 0.03- 0.5 % of silver and the balance being zinc preferably at purity of 99.995 % or any combination thereof. This said zinc alloy may also contain, by weight, 0.05-2.5% of bismuth and/or 0.1-1% of tin. The present invention also discloses a zinc alloy wherein the composition comprising of, by weight, 0.15-0.40 % of magnesium, 0.03- 0.5 % of silver, 0.30-8.00 % of tin, 0.30-6.00 % of nickel and the balance being zinc preferably at purity of 99.995 % or any combination thereof.

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