

Title (en)

MAGNESIUM ALLOY THAT EXHIBITS SUPERELASTIC EFFECT AND/OR SHAPE-MEMORY EFFECT

Title (de)

MAGNESIUMLEGIERUNG MIT SUPERELASTISCHER WIRKUNG UND/ODER FORMGEDÄCHTNISWIRKUNG

Title (fr)

ALLIAGE DE MAGNÉSIUM AYANT UN EFFET SUPER ÉLASTIQUE ET/OU UN EFFET DE MÉMOIRE DE FORME

Publication

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Application

EP 16855461 A 20161013

Priority

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Abstract (en)

An object of the present invention is to provide a Mg alloy that exhibits a superelastic effect and a shape memory effect, and is excellent in cold workability. The Mg alloy is prepared so as to have a composition in which Sc is contained in a content of more than 13 at% and 30 at% or less, and the balance is Mg and inevitable impurities. In addition, the alloy may contain, in addition to the above-described composition, at least one or more additive elements selected from Li, Al, Zn, Y, Ag, In, Sn and Bi, in a total content of 0.001 at% or more and 9 at% or less in relation to the amount of the whole alloy defined to be 100 at%.

IPC 8 full level

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