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(54) **Title:** MAGNESIUM-ZINC-CALCIUM ALLOY, METHOD FOR PRODUCTION THEREOF, AND USE THEREOF

(57) **Abstract:** The invention relates to a magnesium alloy that comprises: < 3% by weight of Zn, ≤ 0.6% by weight of Ca, with the rest being formed by magnesium containing impurities, which favor electrochemical potential differences and/or promote the formation of intermetallic phases, in a total amount of no more than 0.005% by weight of Fe, Si, Mn, Co, Ni, Cu, Al, Zr and P, wherein the alloy contains elements selected from the group of rare earths with the atomic number 21, 39, 57 to 71 and 89 to 103 in a total amount of no more than 0.002% by weight.



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