

Title (en)

Heat-resistant zinc alloy and molded article thereof

Title (de)

Hitzebeständige Zinklegierung und daraus geformter Gegenstand

Title (fr)

Alliage de zinc thermorésistant et article moulé en celui-ci

Publication

EP 0899349 A1 19990303 (EN)

Application

EP 98115159 A 19980812

Priority

JP 21839397 A 19970813

Abstract (en)

A heat-resistant zinc alloy exhibiting good creep resistance even at a temperature of not less than 100 DEG C comprises at least one of nickel and manganese in a total amount of not more than 3.5% by weight based on the total weight of the alloy, titanium and/or zirconium by not more than 2%wt, optionally aluminium by not more than 0.5%wt, copper by not more than 2%wt as well as one or more of Cr, Sc, Be, Li, Y and lanthanoids by not more than 0.5%wt in total and the balance of zinc and inevitable impurities. A molded article comprises the heat-resistant zinc alloy defined above. The heat-resistant zinc alloy is excellent in the creep resistance even at a high temperature and thus the heat-resistant zinc alloy can considerably expand the fields of application of the molded articles produced from the alloy.

IPC 1-7

C22C 18/00

IPC 8 full level

C22C 18/00 (2006.01)

CPC (source: EP)

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Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 097, no. 006 30 June 1997 (1997-06-30)

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