

## Title (en)

Magnesium alloy forging material and forged member, and method for manufacturing the forged member

## Title (de)

Schmiedewerkstoff aus einer Magnesiumlegierung und geschmiedetes Element und Herstellungsverfahren des geschmiedeten Elementes

## Title (fr)

Matériau de forgeage en alliage de magnésium et élément forgé et méthode de fabrication de l'élément forgé

## Publication

**EP 0990710 A1 20000405 (EN)**

## Application

**EP 99117054 A 19990830**

## Priority

JP 27850798 A 19980930

## Abstract (en)

The invention provides Mg alloy forging material and forged member containing, as well as a method for manufacturing the forged member, which are superior in both mechanical characteristics and forgeability at normal temperature and high temperature and relatively low in price. The magnesium alloy forging material contains at least aluminum and calcium and has a critical upsetting rate of not less than 70% at 300 DEG C. Also, the magnesium alloy forging material contains not less than 2 wt% and not more than 6 wt% of aluminum and not less than 0.5 wt% and not more than 4 wt% of calcium, and has a mean grain size of not more than 300 mu m. The forged member may be a valve lifter for an internal combustion engine.

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## Citation (search report)

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