

Title (en)

Coil retainer for engine valve and preparation of the same

Title (de)

Ventilfederteller für eine Brennkraftmaschine und Herstellung derselben

Title (fr)

Cuvette butée de renod de soupape pour moteur à combustion interne et sa mise en oeuvre

Publication

**EP 0693615 A1 19960124 (EN)**

Application

**EP 94309388 A 19941215**

Priority

JP 16981394 A 19940721

Abstract (en)

There is provided a coil retainer for an engine valve to be mounted therewithin, said retainer prepared by forging of an aluminum-based alloy of the following composition; followed by special heat treatment to convert into an alloy material having a dendrite arm spacing value less than 15 micrometer; and the composition consisting essentially of Silicon : 8 to 17 weight percent; Copper : 2 to 5 weight percent ; Magnesium : 0.2 to 10 weight percent ; Manganese : less than 1.5 weight percent ; balancing aluminium and inevitable amount of impurities. <MATH>

IPC 1-7

**F01L 3/10**

IPC 8 full level

**F01L 3/10** (2006.01)

CPC (source: EP)

**F01L 3/10** (2013.01)

Citation (search report)

- [A] EP 0363225 A2 19900411 - HONDA MOTOR CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 311 (M - 0994) 4 July 1990 (1990-07-04)
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 462 (C - 549) 5 December 1988 (1988-12-05)

Cited by

EP2166200A1; EP0864731A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0693615 A1 19960124; EP 0693615 B1 19971022**; DE 69406438 D1 19971127; DE 69406438 T2 19980416; JP 3362240 B2 20030107; JP H0828224 A 19960130

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