

Title (en)

Weight optimisation for a piston shoe

Title (de)

Gewichtsoptimierter, mehrteiliger Gleitschuh

Title (fr)

Optimisation du poids des sabots de piston

Publication

EP 0785359 B1 20031029 (DE)

Application

EP 97100745 A 19970117

Priority

DE 19601721 A 19960118

Abstract (en)

[origin: EP0785359A1] The slide (31) locates on the slide surface. It is made of a material with good sliding properties and at the same time has low specific weight. The support (30) is of a material with high mechanical strength and at the same time low specific weight. The support body is connected to the piston and slidably locates on the slide surface. On its slide sole (35) is a slide layer with good sliding properties and at the same time low specific weight. The support body is of light material or light metal, particularly aluminium or an aluminium alloy or titanium or titanium alloy. The light metal can be aluminium, Zu, magnesium, copper, 1.5%, titanium A16V4.

IPC 1-7

F04B 1/00; **F04B 1/12**

IPC 8 full level

F04B 1/00 (2006.01); **F04B 1/12** (2006.01)

CPC (source: EP)

F04B 1/124 (2013.01); **F05C 2201/021** (2013.01); **F05C 2201/0475** (2013.01); **F05C 2201/0478** (2013.01); **F05C 2203/0817** (2013.01); **F05C 2203/0852** (2013.01); **F05C 2203/0869** (2013.01); **F05C 2253/12** (2013.01)

Cited by

WO9930032A1; EP1172554A3; CN102926987A; AU719300B2; CN102900661A; US6895855B2; WO03029652A1; WO9839568A1; US6425314B1; DE102022210309A1

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