

Title (en)

Sealing arrangement, especially for injectors of an internal combustion engine and method for manufacturing such a sealing seat

Title (de)

Dichtungsanordnung, insbesondere für Brennstoffeinspritzventile in Brennkraftmaschinen und Verfahren zur Herstellung eines Dichtsitzes

Title (fr)

Dispositif d'étanchéité, en particulier pour injecteurs de moteur à combustion interne et procédé d'un tel siège d'étanchéité

Publication

EP 0955128 B1 20020717 (DE)

Application

EP 98109828 A 19980529

Priority

US 7355098 A 19980506

Abstract (en)

[origin: US6173494B1] A valve seat for a ball valve, especially a fuel-injection valve for an internal-combustion engine is finely ground to form a trough in the conically-ground seat with a circular arc cross section in planes of the axis and of a depth to eliminate shape variations in the conically-ground valve seat. The circular arc radius of the trough is greater than the radius of the ball.

IPC 1-7

B24B 15/02; **B24B 11/00**

IPC 8 full level

B24B 11/00 (2006.01); **B24B 15/02** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

B24B 11/00 (2013.01 - EP US); **B24B 15/02** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **Y10T 29/49375** (2015.01 - EP US); **Y10T 29/49409** (2015.01 - EP US); **Y10T 137/0318** (2015.04 - EP US); **Y10T 137/791** (2015.04 - EP US)

Cited by

EP1493534A1; EP1166962A1; DE10029322A1; WO2005000524A1; DE202004021514U1; US6564456B2

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US 6173494 B1 20010116; DE 59804798 D1 20020822; EP 0955128 A2 19991110; EP 0955128 A3 20010411; EP 0955128 B1 20020717; US 6098958 A 20000808

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