

Title (en)
Nozzle for piston cooling

Title (de)
Spritzdüse für Kolbenkühlung

Title (fr)
Gicleur de refroidissement à piston

Publication
EP 1273774 B1 20060913 (FR)

Application
EP 02356115 A 20020621

Priority
FR 0109046 A 20010704

Abstract (en)
[origin: EP1273774A1] The cooling nozzle for an engine piston comprises a body (1), with a penetrating part which engages in an engine bore, receiving coolant fluid. The nozzle comprises an internal valve composed of a piston (6) which slides in a guide bore (9). The piston comprises a sealing head (10) directed upstream and supported against an annular seat (11). The piston is pushed toward the seat by a helical compression spring (13).

IPC 8 full level
F01P 3/08 (2006.01)

CPC (source: EP US)
F01P 3/08 (2013.01 - EP US); **Y10T 137/2663** (2015.04 - EP US)

Cited by
EP2282089A1; FR2844002A1; USD921044S; USD928201S; FR2885170A1; EP1728981A3; US7350484B2; US6895905B2; EP1980729A1; US7559296B2

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