

Title (en)

Spray nozzle with multiple jets for cooling an internal combustion engine and engine with such nozzle

Title (de)

Spritzdüse mit mehreren Strahlen für die Kühlung einer Brennkraftmaschine und Brennkraftmaschine ausgerüstet mit einer solchen Düse

Title (fr)

Gicleur a projections multiples pour refroidissement de moteur, et moteurs equipés de tels gicleurs

Publication

EP 1394376 A1 20040303 (FR)

Application

EP 03356125 A 20030828

Priority

- FR 0211081 A 20020902
- FR 0214550 A 20021115

Abstract (en)

The cooling splasher for a motor vehicle internal combustion engine has a housing (2) with a bored stub (3) to fit in a seating machined in the engine and receiving a cooling fluid. The splasher has an outlet with two tubes (6,7) to create two jets of cooling fluid and orient these towards two zones to be cooled in the engine piston.

Abstract (fr)

Un gicleur selon l'invention comporte un corps de gicleur (2) à partie pénétrante (3) conformée pour s'engager axialement dans un alésage du moteur et pour recevoir un fluide de refroidissement arrivant par ledit alésage. Une structure de sortie (5) comporte deux tubes de sortie (6, 7), chaque tube de sortie (6, 7) étant cintré de façon appropriée pour créer deux jets de fluide de refroidissement et pour les diriger vers deux zones de refroidissement respectives distinctes dans un piston de moteur. <IMAGE>

IPC 1-7

F01P 3/08

IPC 8 full level

F01P 3/08 (2006.01)

CPC (source: EP US)

F01P 3/08 (2013.01 - EP US)

Citation (search report)

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