

Title (en)

Cooling device for combustion chamber opening or cylinder liner head

Title (de)

Kühleinrichtung für Flammringe bzw. für den Kopf einer Laufbuchse

Title (fr)

Dispositif de refroidissement de l'anneau de feu respectivement de la tête de la chemise du cylindre

Publication

EP 0602321 B1 19960117 (DE)

Application

EP 93113969 A 19930901

Priority

DE 4242473 A 19921216

Abstract (en)

[origin: DE4306137C1] The cooling device has separate channels (11-18) with water intakes and outlets. Each channel extends tangentially to the inner bore (20) of the flame ring (3). A ring gap is located between cooling water ring and flame ring. The narrow gap connects cooling water ring channels, located above each other. The channels are located in inclined planes. The water intakes (9) open into the lower ring channel, the water outlets (10) open into the upper ring channel. The channels are positioned, so that they are closest to the heated inner bore (20,21) at the point, where it is heated most by the combustion. USE/ADVANTAGE - For Diesel engines. Can be made simply in flame ring or bush head. Guarantees continuous cooling water flow for optimum cooling effect.

IPC 1-7

F02F 1/14; **F01P 3/02**

IPC 8 full level

F01P 3/02 (2006.01); **F02F 1/14** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

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DOCDB simple family (publication)

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DOCDB simple family (application)

DE 4306137 A 19930227; DE 59301465 T 19930901; EP 93113969 A 19930901; FI 934244 A 19930927