

Title (en)
Liquid cooling piston

Title (de)
Flüssigkeitsgekühlter Kolben

Title (fr)
Piston refroidi par un liquide

Publication
EP 0855499 B1 20020403 (DE)

Application
EP 98100989 A 19980121

Priority
DE 19703001 A 19970128

Abstract (en)
[origin: EP0855499A1] The apertures (16a, 16b) in the coolant channels (12a, 12b) are for coolant feed and coolant outlet to the crankcase. A virtually radially running connecting channel (20) is closed in its run to the crankcase and is connected to the ring segment-shaped channels in the area of the apertures (16a, 16b, 18). The connecting channel (20) is inclined at least in areas. It is matchingly formed in its run to the base of a combustion chamber though formed in a piston base. It runs mostly above the level of the ring segment-shaped coolant channels (12a, 12b). The cross-sections of the coolant channels are so formed that they become greater remote from the apertures.

IPC 1-7
F02F 3/22

IPC 8 full level
F01B 31/08 (2006.01); **F01P 1/04** (2006.01); **F02F 3/22** (2006.01); **F16J 1/09** (2006.01)

CPC (source: EP US)
F02F 3/22 (2013.01 - EP US)

Cited by
DE19953384C1; EP0913566A3; EP3241631A1; US10100777B2; EP1098082A2

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EP 98100989 A 19980121; DE 19703001 A 19970128; DE 59803581 T 19980121; US 1408398 A 19980127