

Title (en)
CYLINDER CRANK CASE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZYLINDERKURBELGEHÄUSE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
BLOC-CYLINDRES POUR UN MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2009026898A1] The invention relates to a cylinder crankcase (1) for an internal combustion engine, into which crankcase a one-piece cylinder jacket system (9) is diecast, said system comprising at least two cylinder jackets (5, 6, 7) that are arranged in a row and that are interconnected via webs (2, 3, 4). The aim of the invention is to provide a cylinder crankcase which can be produced at low cost and which comprises a cylinder jacket system that can be subjected to high thermal and mechanical stresses. According to the invention, a lateral face of the cylinder jacket system (9) has a rough structure and is surrounded by a diecast outer casing (26). Respective coolant passages (14, 15, 16) having openings (31, 32) for supplying and discharging the coolant are formed into the webs (2, 3, 4), at least one opening (32) extending through the outer casing (26) into the recess (25) for the water cooling jacket.

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