

Title (en)  
CRANKCASE FOR AN INTERNAL COMBUSTION ENGINE, AND INTERNAL COMBUSTION ENGINE

Title (de)  
KURBELGEHÄUSE FÜR EINE BRENNKRAFTMASCHINE, BRENNKRAFTMASCHINE

Title (fr)  
CARTER POUR UN MOTEUR À COMBUSTION INTERNE ET MOTEUR À COMBUSTION INTERNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2021044000A1] The invention relates to a crankcase (800), comprising a number (Z) of at least one cylinders (100), for an internal combustion engine (1000). The cylinder (100) has the following: - a cylinder lining (140) which is arranged within a cylinder interior (120), and - a cylinder head (160) which closes the cylinder interior (120), wherein the cylinder head (160) has a receiving means (162), in particular a receiving means which surrounds and/or guides a receiving sleeve or a receiving bushing or the like for a device or component which reaches into the cylinder, in particular an injector, an ignition device for an injector, or an ignition device, and a cooling system (170) which conducts a coolant flow (KS) and comprises a cooling chamber (166). According to the invention, the crankcase is characterized by: - a distributing system (240) which is arranged in the crankcase (800) for separating the coolant flow (KS) into a primary sub-flow (K1) and at least one secondary sub-flow (K2, K2.1, K2.2, K2.3, K2.4), and - the crankcase (800) is equipped with a main channel (250) for the primary sub-flow (K1) and with a branching passage (146, 146.1, 146.2, 146.3, 146.4), which branches off from the main channel (250) and is arranged transversely to the main channel (250), for the secondary sub-flow (K2, K2.1, K2.2, K2.3, K2.4).

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