

Title (en)

COOLANT PUMP FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

KÜHLMITTELPUMPE FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

POMPE À LIQUIDE DE REFROIDISSEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2016176712A1] The invention relates to a coolant pump (4) for an internal combustion engine (1), having a housing (5) which has a housing cover (6) and in which an impeller (8) is arranged which is rotatable about an axis of rotation (7) and has a suction nozzle (19). The housing (5) forms at least one intake channel (18) substantially normal with respect to the axis of rotation (7), in order to guide coolant from a lateral pump inlet (15) spaced apart from the rotary shaft (7) to the suction nozzle (19), wherein the intake channel (18) has at least one element (20, 21) which influences the flow. In order to take up very little installation space and to enable a homogeneous flow onto the impeller, according to the invention the at least one element (20, 21) which influences the flow - viewed in the direction of the axis of rotation (7) - is arranged in the region of a longitudinal central axis (18') of the intake channel (18) preferably normal with respect to the axis of rotation (7) and/or extending through the axis of rotation (7).

IPC 8 full level

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