

Title (en)
CONTROLLABLE COOLANT PUMP

Title (de)
REGLBARE KÜHLMITTELPUMPE

Title (fr)
POMPE À RÉFRIGÉRANT RÉGLABLE

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Application
EP 09781670 A 20090810

Priority

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Abstract (en)
[origin: WO2010028921A1] The invention relates to a controllable coolant pump for a cooling circuit of an internal combustion engine, having a pump housing (1), in which a hollow shaft (2) which can be driven through a belt pulley (5) is supported. An impeller (4) is fastened to an end of said hollow shaft, comprises blades (6) protruding into a suction chamber (7), and is rigidly connected to a cover disk (9) through axial webs (8), wherein water can be sucked into the suction chamber (7) through a suction connecting piece (10) of the pump housing (1) and transported into a ring channel (11) of the pump housing (1) over the blades (6) by the rotation of the impeller (4) together with the cover disk (9), wherein furthermore a guide disk (12) having a contour corresponding to the impeller (4) is arranged between the impeller (4) and cover disk (9), is guided over the axial webs (8), and can be moved axially through an actuating unit by means of a piston (14) placed within the hollow shaft (2).

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