

Title (en)
WATER PUMP

Title (de)
WASSERPUMPE

Title (fr)
POMPE À EAU

Publication
EP 2115303 A1 20091111 (FR)

Application
EP 08708424 A 20080130

Priority
• EP 2008051109 W 20080130
• FR 0700916 A 20070208

Abstract (en)
[origin: FR2912474A1] The pump has a coupling device arranged between an outer race (9") and a transmission shaft (4) to connect/disconnect the race and the shaft based on predefined parameters e.g. water temperature. The device has a rotating case (11) with magnetic elements (12, 13) i.e. permanent magnets, integrated to the shaft and the race, respectively. Displacement units constituted of a ductile element (16) made of steel, a return spring (17), a stop, a control flange (14) and rotational edges (15), for displacing the elements (12, 13) to bring closer or move away from one another, based on the parameters.

IPC 8 full level
F04D 13/02 (2006.01)

CPC (source: EP)
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