

Title (en)
RADIAL BLOWER

Title (de)
RADIALGEBLÄSE

Title (fr)
VENTILATEUR CENTRIFUGE

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Application
EP 19716109 A 20190402

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Abstract (en)
[origin: WO2019197207A1] The invention relates to a radial blower, in particular for a cooling machine, comprising a housing (21) in which a shaft (17) is rotationally mounted, which receives at least one impeller wheel (16) of a compressor (27) at one end, which is secured to the housing (21), comprising at least one radial bearing (22) and at least one axial bearing (31) via which the shaft (17) is rotationally mounted in the housing (21), and comprising a motor (20) driven by a rotor (18) and a stator (19) and provided between the first and the second radial bearing (22, 23), wherein at least one channel (41) having a pressure connection (54) for a pressure medium to be supplied is provided in the housing (21), which channel feeds into a rotor space (46) formed between the shaft (17) and the housing (21) and extending from the impeller wheel (16) to the radial bearing (22, 23) or axial bearing (31), which is provided next to the impeller wheel (16).

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