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(71) Applicant: **ABIOMED EUROPE GMBH** [DE/DE];
Neuenhofer Weg 3, 52074 Aachen (DE).

(72) Inventors: **KERKHOFSS, Wolfgang**; c/o Abiomed Europe GmbH, Neuenhofer Weg 3, 52074 Aachen (DE).
KEYSSELITZ, Ellen; c/o Abiomed Europe GmbH, Neuenhofer Weg 3, 52074 Aachen (DE).

(74) Agent: **KLUNKER IP PATENTANWÄLTE PARTG MBB**; Destouchesstraße 68, 80796 München (DE).

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(57) Abstract: This invention relates to an intravascular blood pump, comprising a pumping device (11) with a pump casing (2) having a primary blood flow inlet (211) and a primary blood flow outlet (22) which are hydraulically connected by a primary blood flow passage (30), a primary impeller (31) with an upstream end and a downstream end being configured to convey a primary blood flow (1BF) from the primary blood flow inlet (211) to the primary blood flow outlet (22) along the primary blood flow passage (30), a drive unit (4) configured to rotate the primary impeller (31) about an axis of rotation (10), an impeller bearing (37) supporting the upstream end of the primary impeller (31), a central opening (262) extending axially through the impeller bearing (37), and at least one secondary blood flow passage (321) in the primary impeller (31), the at least one secondary blood flow passage (321) having a secondary blood flow inlet (212) in axial alignment with the central opening (262) of the impeller bearing (37) and each of the at least one secondary blood flow passage (321) having a secondary blood flow outlet (213), wherein at least one secondary blood flow passage (321) is configured to convey a secondary blood flow (2BF) from the secondary blood flow inlet (212) to the secondary blood flow outlet (213), and wherein the secondary blood flow outlet (213) connects the at least one secondary blood flow passage (321) to the primary blood flow passage (30) at a location axially between the upstream and downstream ends of the primary impeller (31).

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