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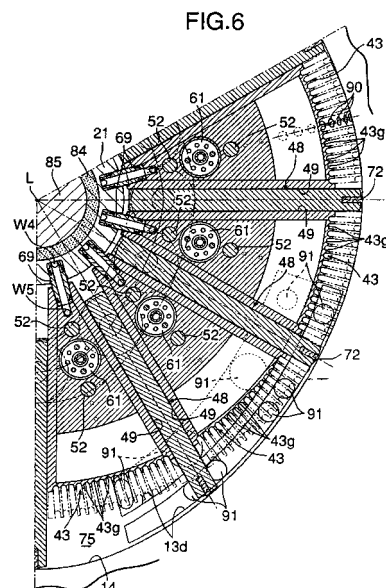
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(54) **ROTARY FLUID MACHINE**

(57) A rotary fluid machine is provided that includes a rotor chamber (14) formed in a casing, a rotor (41) rotatably housed within the rotor chamber (14), a plurality of vane channels (49) formed radially in the rotor (41), a plurality of vanes (48) slidably supported in the respective vane channels (49), vane chambers (75) defined between adjacent vanes (48), and an intake port (90) and an exhaust port (91) for supplying and discharging a gas-phase working medium to and from the vane chambers (75). A labyrinth (43g) provided on the outer peripheral face of the rotor (41) prevents the gas-phase working medium from leaking in a region in which there is a large difference in pressure between adjacent vane chambers (75) that are in between the trailing edge of the exhaust port (91) and the leading edge of the intake port (90).



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