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(54) Title: ORGANIC RANKINE CYCLE SYSTEM

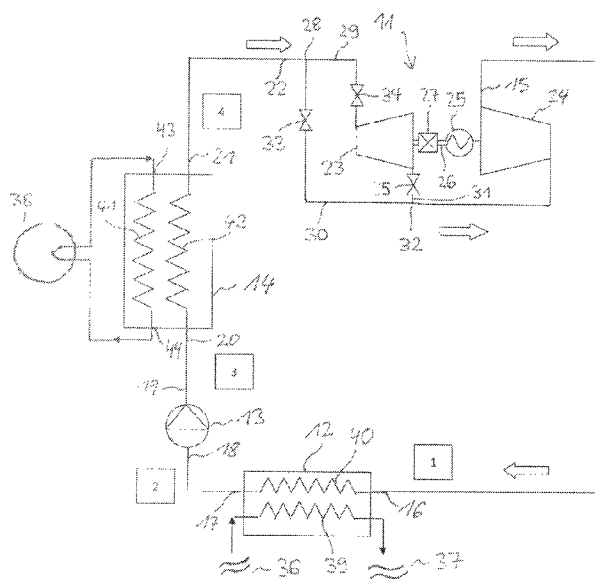


Fig. 1

(57) Abstract: The application discloses an organic Rankine Cycle system with a generating unit, a condenser for condensing an organic work fluid, a feeder pump for circulating the organic work fluid and an evaporator (14) for evaporating the organic work fluid. The generating unit comprises a high-pressure screw expander and a low-pressure screw expander, which are connected in series, wherein the high-pressure screw expander and the low-pressure screw expander are mechanically connectable to a generator, which is provided between the high-pressure screw expander and the low-pressure screw expander. The ORC system comprises a by-pass line for bypassing the high-pressure screw expander. The bypass line comprises a control valve for opening and closing the by-pass line.