1. Organic Rankine Cycle system (10, 10') with a generating unit (11, 111), a condenser (12) for condensing an organic work fluid,
   - a feeder pump (13) for circulating the organic work fluid,
   - an evaporator (14) for evaporating the organic work fluid, wherein the generating unit (11, 111) comprises
   - a high-pressure screw expander (23) and a low-pressure screw expander (24) which are connected in series, wherein the high-pressure screw expander (23) and the low-pressure screw expander (24) are mechanically connectable to a generator (25) which is provided between the high-pressure screw expander (23) and the low-pressure screw expander (24) and wherein the ORC system (10, 10') further comprises a by-pass line (30) for bypassing the high-pressure screw expander (23), wherein the bypass line comprises a control valve (33) for opening and closing the by-pass line (30).

2. Organic Rankine Cycle system (10, 10') according to claim 1, wherein the high-pressure expander (23) is mechanically connectable to the generator (25) via a freewheeling device (27).

3. ORC system (10, 10') according to claim 1 or claim 2, further comprising an input control valve (34) and an output control valve (35), the high-pressure expander being arranged between the input control valve (34) and the output control valve (35).

4. Organic Rankin Cycle system (10, 10') according to one of the preceding claims, wherein the generating unit (111) comprises a first spur gear (63) that is connected to the

high-pressure expander (23) and a second spur gear (64) that is connected to the low-pressure expander (24).

5. Organic Rankin Cycle system (10, 10') according to one of the claims 1 to 3, wherein the generating unit (111') comprises a first planetary gear set (65) that is connected to the high-pressure expander (23) and a second planetary gear set (66) that is connected to the low-pressure expander (24).

6. Organic Rankin Cycle system (10, 10') according to one of the claims 1 to 3, wherein the generating unit (111') comprises a planetary gear set (67), wherein a sun gear of the planetary gear set (67) is connected to the high-pressure expander (23) and a planetary carrier of the planetary gear set (67) is connected to the low-pressure expander (24).

7. ORC system (10, 10') according to one of the preceding claims, further comprising a work fluid which is an azeotropic mixture, the azeotropic mixture comprising a first organic fluid with a normal boiling point above 35°C and a second organic fluid which is of low flammability.

8. ORC system (10, 10') according to claim 7, wherein the first organic fluid comprises a pentafluorobutane.

9. ORC system (10, 10') according to claim 7 or claim 8, wherein the second organic fluid comprises a perfluoropolyether.

10. ORC system (10, 10') according to one of the preceding claims, wherein the condenser (12) comprises a plate heat exchanger.

11. ORC system (10, 10') according to one of the preceding claims, wherein the evaporator (14) comprises a plate heat exchanger.

12. ORC system according to one of the preceding claims, wherein the expanders (23, 24) are oil-free expanders.

13. Ship engine with an ORC system (10, 10') according to one of the preceding claims, wherein the evaporator (14) of the ORC system (10, 10') is connected to an exhaust (38) of the ship engine via a pipe.

14. Geothermal power station with an ORC system (10, 10') according to one of the preceding claims, wherein the evaporator (14) of the ORC system (10, 10') is connected to a pipe (38) for a brine of the geothermal power station, the pipe being connected to the geothermal heat source via a borehole.

15. Method for operating an ORC system (10, 10') with a high-pressure expander (23) and a low-pressure expander (24), the ORC system (10, 10') comprising a bypass line (30), wherein the bypass line (30) extends from a branching point (28) before the high-pressure expander (23) to the low-pressure expander (24), and the ORC sys tern comprising an input control valve (34) before the high-pressure expander (23), in a high temperature operating mode

- closing the bypass line (30) and opening the input control valve (34), and, in a low temperature operating mode,
- opening the bypass line (30) and closing the input control valve (34).

16. Method according to claim 15, the method further comprising steps of measuring a temperature of a heat source (38),
automatically selecting one of the high-pressure operation mode and the low-pressure operation based on the temperature of the heat source (38).