

Table 3

Thermodynamic parameters of a prior art thermal operating machine

Thermodynamic State	P [bar]	T[°C]	s[kJ/kgK]	h[kJ/kg]
1	1,35	-35,00	1,65	347,40
2	18,15	70,47	1,70	419,10
3	18,15	39,67	1,20	259,20
4	1,35	-39,59	1,27	259,20

Coefficient of Performance	1,23
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Table 4

Thermodynamic parameters of the basic operation a thermal operating machine according to the present invention

Thermodynamic State	\dot{m} [kg/s]	P[bar]	T[°C]	s[kJ/kgK]	h[kJ/kg]
1	0,74	1,35	-35,00	1,65	347,40
2	0,74	1,78	-25,22	1,66	354,10
3	1,05	1,78	-27,50	1,65	352,20
4	1,05	18,15	68,25	1,70	416,50
5	1,05	18,15	40,00	1,20	259,20
6	0,31	6,92	4,22	1,21	259,20
7	0,74	18,15	9,22	1,04	213,00
8	0,74	1,35	-39,76	1,07	213,00
9	0,31	6,92	6,50	1,61	370,00
10	0,31	1,78	-32,97	1,63	347,70

Coefficient of Performance	1,52
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