

CASCADED ORGANIC RANKINE CYCLE SYSTEM

ABSTRACT

A cascaded Organic Rankine Cycle (ORC) system includes a bottoming cycle working fluid is first evaporated and then superheated and a topping cycle working
5 fluid is first desuperheated and then condensed such that a percentage of total heat transfer from the topping cycle fluid that occurs during a saturated condensation is equal to or less than a percentage of total heat transfer to the bottoming cycle fluid that occurs during a saturated evaporation.

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FIGURE 1