VESSEL COMPRISING ENGINE

【ABSTRACT】

A vessel comprising an engine is disclosed. The vessel comprising an engine comprises: a first self-heat exchanger for heat-exchanging boil-off gas discharged from a storage tank; a multi-stage compressor for compressing, in multi-stages, the boil-off gas, which has passed through the first self-heat exchanger after being discharged from the storage tank; a second self-heat exchanger for precooling the boil-off gas compressed by the multi-stage compressor; a first decompressor for expanding a portion of a fluid which has been cooled by the second self-heat exchanger and the first self-heat exchanger; and a second decompressor for expanding the other portion of the fluid which has been cooled by the second self-heat exchanger and the first self-heat exchanger, wherein the first self-heat exchanger cools the boil-off gas, which has passed through the second self-heat exchanger after being compressed by the multi-stage compressor, by using the boil-off gas discharged from the storage tank as a refrigerant, and the second self-heat exchanger cools the boil-off gas, which has been compressed by the multi-stage compressor, by using the fluid expanded by the first decompressor as a refrigerant.

Fig. 1