

Title (en)
LNG REGASIFICATION

Title (de)
LNG WIEDERVERGASUNG

Title (fr)
REGAZÉIFICATION DE GNL

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Application
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Abstract (en)
[origin: WO2019158230A1] The invention relates to an apparatus (1) for generating electrical energy and for vaporising a cryogenically liquefied gas, said device comprising a conduit (2) for the cryogenically liquefied gas, a pump (3) located in the conduit (2), a heat engine (4), and a waste-heat recovery system (5) downstream of the heat engine (4), wherein a branch conduit (18) branches off from the conduit (2) and the branch conduit (18) leads into the heat engine (4), and wherein the apparatus (1) also has a fluid circuit (6) in which the following components are arranged successively in the flow direction of the fluid: - a first heat exchanger (7) which is also connected in the flow direction of the cryogenically liquefied gas past the pump (3) into the conduit (2); - a compressor (8); - a second heat exchanger (9); - parallel to one another, a third heat exchanger (10) with a first side (11), and the waste-heat recovery system (5); - a depressurising machine (13) having a coupled generator (14); and - the third heat exchanger (10) with a second side (12). The invention also relates to a corresponding method for generating electrical energy and for vaporising a cryogenically liquefied gas.

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