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(71) Applicant: EXXON PRODUCTION RESEARCH COMPANY
[US/US]; P.O. Box 2189, Houston, TX 77252-2189 (US).(72) Inventors: BOWEN, Ronald, R.; 37602 Pinwood Court,
Magnolia, TX 77355 (US). MINTA, Moses; 39 Sterling
Street, Sugar Land, TX 77479-2934 (US).(74) Agents: CASAMASSIMA, Salvatore, J. et al.; Exxon Pro-
duction Research Company, P.O. Box 2189, Houston, TX
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(54) Title: PRODUCING POWER FROM PRESSURIZED LIQUEFIED NATURAL GAS

(57) Abstract

A process for using the cold of pressurized liquefied natural gas (PLNG) to compress boil-off vapors produced by handling of liquefied natural gas to produce a higher pressure gas product and at the same time produce power that preferably provides at least part of the power for the process. The PLNG is pressurized, passed to a first heat exchanger (32) for vaporization, and the vaporous material is passed to a second heat exchanger (33) for further heating to produce a first gas product. A refrigerant is circulated in a closed cycle through the first heat exchanger to heat the PLNG, through a pump (36) to pressurize the refrigerant, through a second heat exchanger to vaporize the refrigerant, and through a work-producing device (37) to generate energy. Boil-off gas is compressed and passed through the first heat exchanger, further compressed, and then passed through the second heat exchanger to produce a second gas product.

