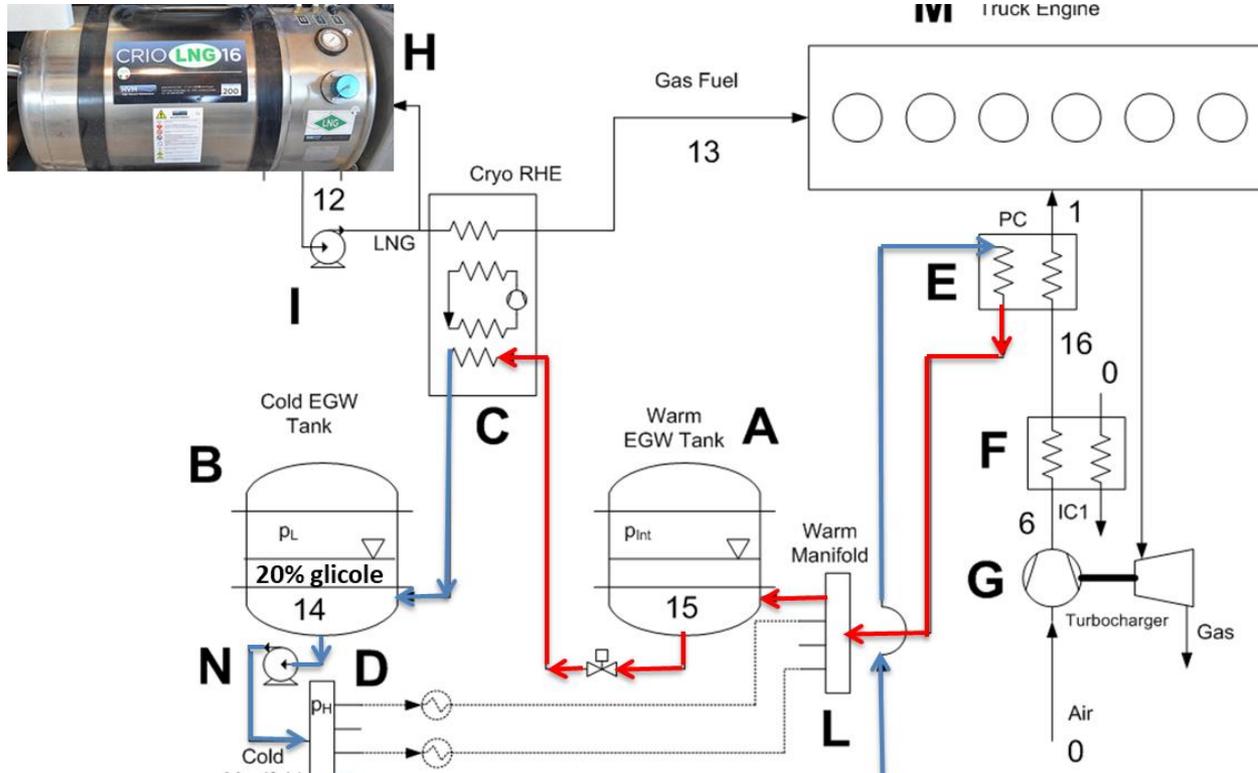


COLD RESOURCE RECOVERY FROM LNG REGASIFICATION SYSTEM



PRIORITY NUMBER:
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KEYWORDS:

Energetic efficiency
IOT
LNG

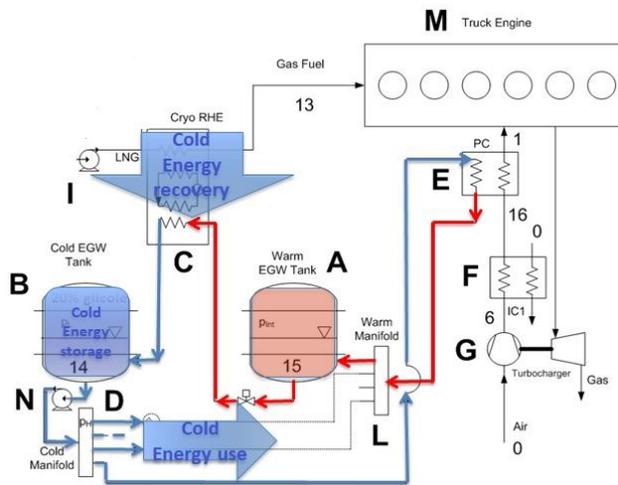


The invention consists of a LNG regasification closed circuit system to be used by land vehicles, capable of storing and recovering from the cold resource energy convertible into work or cold, corresponding to 8-10% of the heating power of the fuel.



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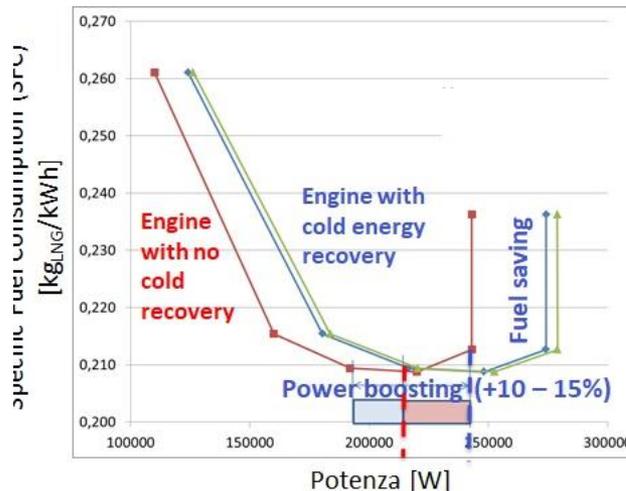
COLD RESOURCE RECOVERY FROM LNG REGASIFICATION SYSTEM



DESCRIPTION:

The patent subject-matter applies a storage of cold from the LNG stream to be regasified to serve as fuel for the engine. The accumulated cold can be used by possible utilities present on a commercial vehicle, such as cold rooms, air conditioning systems; or alternatively directed to improve the performance of the engine (through the introduction of a postcooler before engine inlet).

The whole system is connected to the information on the load of the vehicle, its position/planned route and traffic conditions. The management of the cold resource is operated by the on-board system independently and with the possibility of self-learning.



ADVANTAGES:

- Improved Energy efficiency
- Reduced consumption
- Possibility of flexible use of cold

APPLICATIONS:

- IOT
- Commercial transportation
- Refrigerated vehicles