

Title (en)
TUG/BUNKER BARGE COMBINATION

Title (de)
SCHLEPPER/BUNKERBARKEN-KOMBINATION

Title (fr)
CONVOI DE BUNKERING BARGES-REMORQUEUR

Publication
EP 3012185 A1 20160427 (EN)

Application
EP 14812883 A 20140616

Priority
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• RU 2014000432 W 20140616

Abstract (en)
The invention relates to field of shipbuilding and, more specifically, to seagoing bunkering vessels intended for bunkering seagoing ships and refers to the issues of liquefied natural gas transportation and serves the purpose improve economic efficiency of the bunker barge vessel by elimination of gas vaporing in the containers and its processing, shortening the process of pressurized LNG transfer during ship bunkering, reducing gas losses at LNG loading and delivery to the bunker vessel due to significant reduction of intermediate cargo operations during LNG loading and delivery to the bunkered ship. For this purpose the tug/bunker barge combination comprised of the specialized barge articulated to the tug by means of coupling device is equipped with liquefied natural gas containers located on the barge and the cargo system for integrating the said containers into a single installation for LNG storage and dispensing for ship bunkering, wherein according to the invention the LNG containers are made in the form of tanks mounted on the wheeled chassis, which are rolled onto a barge, and then sea fastened on the barge, and connected to the barge cargo system, the barge being fitted with a facility for rolling on the tanks. Furthermore, the barge deck is adapted to allow traveling of wheeled vehicles. Moreover, the facility for rolling the tanks onto the barge is made in the form of a ramp or bridge located outside of the barge. In this case the barge deck has thermal insulation coating aimed to prevent any damage to the deck by accidental spills of liquefied natural gas.

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