

SEALED AND THERMALLY INSULATING TANK

Abstract

The present invention relates principally to a sealed and thermally insulating tank for transporting and/or storing liquefied natural gas, comprising at least one load-bearing structure (4) and a storage structure (2) surrounded by the load-bearing structure (4), the storage structure (2) comprising at least one first portion (46) and one second portion (48) that are sealed with respect to one another, the first portion (46) and the second portion (48) extending at least in part in one and the same plane which is parallel to the load-bearing structure (4), the storage structure (2) having a thickness, from the outside to the inside of the tank (1) along a direction perpendicular to the plane of the load-bearing structure (4), the tank (1) comprising a closure device (58) arranged at least in part in the thickness of the storage structure (2), the closure device (58) comprising at least one first closure member and one second closure member that are configured to cooperate with one another so as to separate the first portion (46) from second portion (48), at least one of the closure members comprising a first part and a second part which extend in intersecting planes, characterized in that at least one of the parts of one and/or the other of the closure members is connected to at least one of the portions (46, 48) by a fastening device (84) which is arranged in the thickness of the storage structure (2).

Fig. 2