

**Process for controlling a methane number of a liquefied natural gas and  
corresponding control system**

**ABSTRACT**

The invention relates to a process (1) for controlling a methane number of a  
5 liquefied natural gas stored in a tank (80) and comprising a step (10) of estimating  
the methane number of the liquefied natural gas, a step (20) of comparison  
between the estimated methane number and a target methane number, and a step  
(30) of active adjustment of the pressure of a tank headspace (82) as a function of  
the comparison between the estimated methane number and the target methane  
10 number. The invention also relates to a system (50) for controlling the methane  
number of the natural gas stored in the tank (80).

Application to the field of marine transport.

FIGURE 1