

[TITLE OF INVENTION]

LIQUEFIED GAS-BASED RAPID COOLING POSSIBILITY DETERMINATION
DEVICE, LIQUEFIED GAS STORAGE TANK, LIQUEFIED GAS CARRYING
VESSEL, AND LIQUEFIED GAS-BASED RAPID COOLING POSSIBILITY

5 DETERMINATION METHOD

[ABSTRACT]

The present invention provides a control device (30) that includes a first
temperature detection unit (31) that detects a partition wall temperature (T1) of a tank
10 main body in which liquefied gas is contained, and a second temperature detection unit
(32) that detects a temperature (T2) of a skirt that supports the tank main body. The
control device (30) further includes a temperature difference acquisition unit (33) that
acquires a temperature difference (ΔT) between the partition wall temperature (T1)
detected by the first temperature detection unit (31) and the temperature (T2) of the skirt
15 which is detected by the second temperature detection unit (32), and a determination unit
(34) that determines whether or not a joint between the tank main body and the skirt is
rapidly cooled by the liquefied gas on the basis of the partition wall temperature (T1) and
the temperature difference (ΔT).

20 [FIG. 3]