

【ABSTRACT】

MARINE FLOATING DOCK MOUNTING DEGREE CONTROL SYSTEM

Provided is a marine floating dock mounting degree control system in which
5 a structure is fabricated at a marine floating dock, continuous floating dock
monitoring can be performed based on rigid inner walls so that a degree of mounting
can be controlled, and a degree of mounting inner blocks can be efficiently
performed. To this end, the marine floating dock mounting degree control system
includes: a monitoring portion including a draft sensor disposed in a dock and
10 measuring a bending degree of a bottom of the dock and a photographing portion
disposed outside the dock and measuring a status of sidewalls of the dock; a
measurement portion that is disposed in the dock and measures a status of ship-body
blocks mounted in the dock in real time; a mounting degree control portion that is
disposed in the dock and controls a mounting degree of the dock that varies
15 according to an effect of the ship-body blocks mounted within the dock; and a
controller that analyzes a current situation of the dock and a current situation of the
mounting degree based on information measured by the monitoring portion and the
measurement portion and controls the mounting degree control portion to control the
mounting degree of the dock according to a result of analysis. Thus, the floating
20 dock is continuously monitored based on rigid inner walls of a dock, and a degree of
mounting inner blocks in the dock is controlled so that the status of the floating dock
can be more exactly grasped and simultaneously ballasting of the dock can be more
exactly performed.