

ABSTRACT OF THE DISCLOSURE

Provided is a system for monitoring temperature and pressure of an enclosed derrick structure, which senses abnormal internal temperature and pressure of the enclosed derrick structure by monitoring the temperature and pressure of the enclosed derrick structure, thereby effectively coping with dangers. A system for monitoring temperature and pressure of an enclosed derrick structure communicating with a moonpool includes: one or more temperature sensors installed in the inside of the enclosed derrick to monitor an internal temperature of the enclosed derrick; one or more pressure sensors installed in the inside of the moonpool to monitor an internal pressure difference of the moonpool; and one or more damping units installed in a side of the enclosed derrick to supply air to the inside of the enclosed derrick or exhaust air to the outside of the enclosed derrick in order to cope with an abnormal internal temperature of the enclosed derrick and an abnormal internal pressure variation of the moonpool. Accordingly, when the abnormal internal temperature of the enclosed derrick and the abnormal internal pressure of the moonpool are sensed by the monitoring of the temperature sensors and the pressure sensors, the damping units are selectively controlled according to the sensing results.