

## **ABSTRACT**

The present invention includes a fuel injection amount sensor for detecting an injection amount of oil, a pretreatment desulfurization agent injection amount sensor for detecting an  
5 injection amount of a pretreatment desulfurization agent, and a control panel for controlling and monitoring the injection amount of the pretreatment desulfurization agent so that the predetermined desulfurization agent is mixed with the fuel in a predetermined mixing ratio. The fuel injection amount sensor is disposed on a fuel supply line between a fuel tank and a marine engine, and the pretreatment desulfurization agent injection amount sensor is disposed between a  
10 downstream fuel supply line installed downstream of the fuel injection amount sensor and a pretreatment desulfurization agent tank.

Fig. 5 for publication