

Abstract

The present invention provides a process of using seawater to scrub and clean exhaust gas of engine in ocean engineering with zero energy consumption, comprising steps of leading the exhaust gas of engine into a scrubbing tower (1) of a scrubbing and cleaning system, pumping seawater into the scrubbing tower (1) with a seawater pump (2), scrubbing the exhaust gas of engine with the seawater in the scrubbing tower (1), and discharging clean exhaust gas and scrubbing seawater out of the scrubbing and cleaning system after scrubbing, wherein a step of recycling thermal energy of the scrubbing seawater is carried out before the scrubbing seawater is discharged out of the scrubbing and cleaning system, and in the step of recycling thermal energy, the thermal energy of the scrubbing seawater is recycled and used as the power of the seawater pump (2). In the process, the unused heat of exhaust gas of engine is recycled, and the heat recovery efficiency is high. An equipment of using seawater to scrub and clean exhaust gas of engine in ocean engineering with zero energy consumption for carrying out the process and the adopted semiconductor thermoelectric power generator are also provided.

(Figure 2)