

ABSTRACT**Method and system for scrubbing exhaust gases from an engine of a marine vessel**

In this purifying method:

- the exhaust gases (1) are sent to a desulfurization scrubber (100), to which a first seawater flow (2') is admitted,
- the sulfur dioxide concentration is permanently measured in the gases (7) purified by the scrubber, the flow rate of the first seawater flow being controlled from this measurement of the sulfur dioxide concentration,
- the effluents of the scrubber are collected in an oxidation device (300), to which an airflow (3) is admitted and to which an iron salt flow (6) is directly sent or via the scrubber (100),
- the redox potential is permanently measured at the outlet of the oxidation device, the flow rate of the airflow and/or the flow rate of the iron salt flow being controlled from this measurement of the redox potential,
- the flow (4) leaving the oxidation device is sent to a post-dilution device (500), which is located at least ten meters lower than the scrubber and to which a second seawater flow (2'') is admitted and
- the pH is permanently measured at the outlet of the post-dilution device, the flow rate of the second seawater flow being controlled from this measurement of the pH.

Fig. 1