

Summary

With a reactor for generating moisture, the volume of moisture generated can be increased safely with the reactor for generating moisture with the limited cubic volume by improving heat dissipation characteristics.

Specifically, with the reactor for generating moisture, with which hydrogen and oxygen fed into the reactor are contacted with a platinum coating catalyst layer to activate reactivity so that hydrogen and oxygen react under conditions of non-combustion, a cooler comprises a heat dissipation body substrate in which a heater insertion hole is made in the center to fix to the outer surface of the reactor structural component on the outlet side and a cooler on the outlet side made up of a plural number of heat dissipation bodies installed vertically in parallel on the part excluding the area where the afore-mentioned heater insertion hole of the heat dissipation body substrate exists, and a part of the heater to heat the reactor is inserted in the heater insertion hole, to fix to the outer surface of the reactor structural component on the outlet side.