

ABSTRACT

A production amount and a yield in a carbon nanotube producing device are improved. Inside a reactor pipe (20) heated so as to become a circumference heating body, a plurality of nozzles (26) for injecting a material and a carrier gas into the reactor pipe and at least one internal heating source (24) are arranged. By arranging a plurality of the nozzles, the production amount is increased. The nozzles are arranged so as to be sandwiched by two heating sources (circumference heating element, internal heating source), and a distance to the closest two heating source peripheral walls is a . Also, a distance between the adjacent nozzles is b ($\geq 2a$). Flows of the material and the carrier gas injected by the nozzles do not interfere with each other or the heating source wall, and the yield is increased.