A METHOD OF GENERATING A HIGH-SPEED GAS FLOW

ABSTRACT

Disclosed in the present invention is a method of generating a high-speed ~~airflow~~gas flow, utilizing a device comprised of an ~~air~~gas pipe (1), a circulating pipe (2) and a starting and controlling system (3). The starting and controlling system (3) is comprised of one or a combination of any two or more of a refrigerator (4), a circulating pump (5) and a heat exchanger (6). The method comprises the following operation steps: filling the device with a working medium; activating the starting and controlling system (3); after having been pressurized under liquid state, the working medium absorbing heat and being gasified, entering the ~~air~~gas pipe (1), and generating the high-speed ~~airflow~~gas flow. The method provides a method of utilizing a low quality heat source to convert a low-speed ~~airflow~~gas flow into a high-speed or extremely high-speed ~~airflow~~gas flow with relatively high use value. Utilizing the method, the thermal energy carried by the fluid in the nature is converted into the mechanical energy efficiently.