## CLAIMS

1. A double glazing insulation system comprising:

a double glazing including a chamber formed between a pair of glass windows, a bead entrance through which a plurality of beads and air enter and exit from the chamber, and an air entrance through which air enters and exits from the chamber;

a reservoir for storing the plurality of beads;

a bead flow pipe for connecting the reservoir and the bead entrance to guide a flow of the plurality of beads charged from the reservoir to the chamber or recovered from the chamber to the reservoir;

an air discharge pipe connected to the reservoir to guide a flow of air discharged from the reservoir;

an air flow pipe connected to the air entrance to guide a flow of air entering and exiting from the air entrance;

a communication pipe for allowing the air flow pipe to communicate with the air discharge pipe; and

a main blower provided in the communication pipe to suck air in the chamber through the air flow pipe when the plurality of beads are charged into the chamber or to suck the air in the chamber through the bead flow pipe, the reservoir and the air discharge pipe when the plurality of beads are recovered to the reservoir.

2. The double glazing insulation system of claim 1, further comprising:

a branch pipe branched from the air flow pipe to guide a flow of air;

a branch pipe provided on the branch pipe to open or close the branch pipe; and

an auxiliary blower provided in the branch pipe to pressurize and blow air into the chamber through the branch pipe and the air flow pipe.

3. The double glazing insulation system of claim 1, further comprising:

a bypass pipe for connecting the communication pipe and the air flow pipe to guide a part of air discharged through the communication pipe via the main blower to flow into the air flow pipe;

a bypass pipe valve provided in the bypass pipe to open or close the bypass pipe.

4. The double glazing insulation system of claim 1, further comprising:

a first valve provided in the bead flow pipe to open or close the bead flow pipe;

a second valve provided in the air discharge pipe to open or close the air discharge pipe; and

a third valve provided in the bead flow pipe to open or close the bead flow pipe,

wherein the first and third valves are opened and the second valve is closed when the plurality of beads are filled in the chamber, and the first and second valves are opened and the third valve is closed when the plurality of beads are discharged from the chamber.

5. The double glazing insulation system of claim 2, further comprising:

an auxiliary air flow pipe connected to the branch pipe and the bead flow pipe or a lower end of the reservoir to guide the air blown from the auxiliary blower to flow to the bead flow pipe or the lower end of the reservoir; and

an auxiliary air flow pipe valve provided in the auxiliary air flow pipe to open or close the auxiliary air flow pipe.

6. The double glazing insulation system of claim 1, further comprising:

a bead passage member provided in the bead entrance to guide the plurality of beads and air to flow into or out from the chamber without any bottleneck.

7. The double glazing insulation system of claim 1, further comprising:

a bead blocking member provided in the air entrance and formed with at least one air hole through which the air flows to prevent the plurality of beads from flowing into the air flow pipe.

8. The double glazing insulation system of claim 1, further comprising:

an auxiliary blocking member provided in the reservoir to prevent the plurality of beads introduced into the reservoir from flowing out to the air discharge pipe.

9. The double glazing insulation system of claim 8, further comprising:

a reservoir air inflow pipe provided in the reservoir between the auxiliary blocking member and the air discharge pipe to guide a flow of air introduced into the reservoir; and

a reservoir air inflow valve provided in the reservoir air inflow pipe to open or close the reservoir air inflow pipe.

10. The double glazing insulation system of claim 1, further comprising:

a chamber air inlet pipe provided in the double glazing to communicate with the chamber and allow air to flow into the chamber; and

a chamber air inlet pipe valve provided in the chamber air inlet pipe to open or close the chamber air inlet pipe.

11. The double glazing insulation system of claim 1, further comprising:

an antistatic member grounded to the bead flow pipe to prevent static electricity from being generated between the plurality of beads flowing through the bead flow pipe.

12. The double glazing insulation system of claim 1, further comprising:

a bead supply pipe branched from the bead flow pipe and communicating with an upper region of the chamber to supply the plurality of beads to the chamber;

a bead discharge pipe branched from the bead flow pipe and communicating with the bead entrance port to discharge the plurality of beads filled in the chamber;

a bead supply pipe valve provided in the bead supply pipe to open or close the bead supply pipe; and

a bead discharge pipe valve provided in the bead discharge pipe to open or close the bead discharge pipe,

wherein, when the plurality of beads are filled in the chamber, the plurality of beads stored in the reservoir are filled into the chamber through the bead flow pipe and the bead supply pipe, and

wherein, when the plurality of beads are discharged from the chamber, the plurality of beads stored in the chamber are stored in the reservoir through the bead discharge pipe and the bead flow pipe via the bead entrance.