CLAIMS

1. A pouring device that is attached to a portable container and configured to pour an amount of carbonated beverage held in the portable container, the pouring device comprising:

an inlet for introducing an amount of carbonated beverage held in a portable container;

an outlet for pouring the carbonated beverage introduced through the inlet;

a flow channel communicating between the inlet and the outlet;

a flow state changing mechanism for changing a flow state of the carbonated beverage flown through the flow channel to at least a first pouring state or a second pouring state; and

a vibration applying mechanism for applying vibration to the carbonated beverage which is being flown through the flow channel, the vibration applying mechanism being activated under the second pouring state,

wherein:

the carbonated beverage is poured from the outlet when the portable container is brought into a tilted pouring posture; and

the flow state changing mechanism is configured to be capable of changing a pouring amount of the carbonated beverage poured from the outlet to a fixed amount or to a small amount, the first pouring state being a state when the pouring amount is the fixed amount, the second pouring state being a state when the pouring amount is the small amount.

2. The pouring device according to claim 1, wherein:

the flow channel is comprised of a plurality of flow pipes communicating the inlet and the outlet at least one respectively of which are provided;

the flow state changing mechanism is configured to change the pouring amount from the fixed amount to the small amount by closing at least one flow pipe of the plurality of flow pipes; and

the vibration applying mechanism applies vibration to the carbonated beverage which is being flown through the other non-closed flow pipe of the plurality of flow pipes.

3. The pouring device according to claim 2, wherein of the plurality of flow pipes, the flow pipe to be closed by the flow state changing mechanism has a total flow cross sectional area which is larger than a total flow cross sectional area of the other flow pipe(s).

4. The pouring device according to claim 2 or 3, wherein of the plurality of flow pipes, the flow pipe to be closed by the flow state changing mechanism is disposed at a positon relatively downwardly of the other flow pipe when the portable container is placed under the pouring posture.

5. The pouring device according to claim 1, wherein:

the flow channel is comprised of at least one flow pipe communicating the inlet and the outlet at least one respectively of which are provided;

the flow state changing mechanism is configured to change the pouring amount from the fixed amount to the small amount by reducing flow channel cross sectional area of the flow pipe; and

the vibration applying mechanism applies vibration to the carbonated beverage which is being flown through the flow pipe.

6. The pouring device according to any one of claims 2 - 5, wherein:

the flow state changing mechanism includes an operating portion, a movable portion and a flexible tube disposed at least a portion of the flow pipe; and

the movable portion causes pressing deformation of the tube in association with an operation of the operating portion, thereby to switch ON an activation switch of the vibration applying mechanism.

7. The pouring device according to any one of claims 2 - 5, wherein:

the flow state changing mechanism includes an operating portion, a movable portion and a flow amount varying valve disposed at least a portion of the flow pipe; and

the movable portion changes an opening degree of the flow amount varying valve in association with an operation of the operating

portion, thereby to switch ON an activation switch of the vibration applying mechanism.

8. The pouring device according to claim 6 or 7, wherein:

the flow state changing mechanism includes a position maintaining mechanism for maintaining the movable portion at a predetermined movable position; and

the position maintaining mechanism maintains the movable portion at the movable position thereby to maintain the pouring amount at the small amount if the operating portion is operated when the movable portion is not maintained at the movable position and releases the maintenance thereby to maintain the pouring amount to the fixed amount if the operating portion is operated when the movable portion is maintained at the movable position.

9. The pouring device according to any one of claims 1 - 8, wherein the vibration applying mechanism is stopped when the pouring amount is changed from the small amount to the fixed amount by the flow state changing mechanism.

10. A pouring device that is attached to a portable container and configured to pour an amount of carbonated beverage held in the portable container, the pouring device comprising:

an inlet for introducing an amount of carbonated beverage held in a portable container;

an outlet for pouring the carbonated beverage introduced through the inlet;

a flow channel communicating between the inlet and the outlet;

a flow state changing mechanism for changing a flow state of the carbonated beverage flown through the flow channel to at least a first pouring state or a second pouring state; and

a vibration applying mechanism for applying vibration to the carbonated beverage which is being flown through the flow channel, the vibration applying mechanism being activated under the second pouring state,

wherein:

the pouring device further comprises a gas feeding mechanism

for feeding gas into the portable container;

the carbonated beverage is poured from the outlet when an inside pressure of the portable container is increased by gas fed by the gas feeding mechanism;

the outlet includes a first outlet and a second outlet;

the flow channel includes a first flow channel communicating between the inlet and the first outlet and a second flow channel communicating between the inlet and the second outlet;

the flow state changing mechanism is configured to be capable of selecting the first flow channel or the second flow channel; and

the first pouring state is realized when the first flow channel is selected and the second pouring state is realized when the second flow channel is selected.

11. The pouring device according to claim 10, wherein a channel cross sectional area of the first flow channel is set larger than a channel cross sectional area of the second flow channel.

12. The pouring device according to claim 10 or 11, wherein:

the pouring device further comprises a discharging channel for discharging the gas fed into the portable container; and

the flow state changing mechanism opens up the discharging channel when neither the first flow channel nor the second flow channel is selected.

13. The pouring device according to any one of claims 1 - 12, wherein:

the vibration applying mechanism comprises an ultrasonic generating means; and

the ultrasonic generating means applies vibration through ultrasonic wave via the flow channel to the carbonated beverage being flown through this flow channel.

14. The pouring device according to claim 13 wherein the pouring device further comprises an adjusting portion for adjusting vibration frequency and vibration amplitude of the ultrasonic generating means.