CLAIMS

1. A method of making soybean milk, the method providing a soybean powder capsule, ~~applicable to a device of making soybean milk, wherein the device of making soybean milk comprises a base, a holder for carrying a capsule, a liquid supply mechanism and an injection head, and the holder, the liquid supply mechanism and the injection head are arranged on the base, and the injection head has one end in communication with the liquid supply mechanism, and the other end aiming at the capsule; the device of making soybean milk further comprises a control device having a soybean milk making program;~~

the capsule comprises a container and a diaphragm for closing the container, the container comprises a bottom wall and a side wall extending upwards from the bottom wall, and the diaphragm covers an opening of the container, wherein, the bottom wall is provided with a splashing portion, and the splashing portion is a protrusion arranged on the bottom wall, or a circular arc-shaped curved surface formed by an arched portion of the bottom wall; and

the method ~~of making soybean milk~~ comprises:

(a) pre-dissolving stage: providing an injection head, making the injection head pass through the diaphragm to inject liquid into the capsule, wherein the liquid permeates a soybean powder layer to reach the protrusion or the circular arc-shaped curved surface ~~a planar, concave or convex splashing portion at a bottom~~ of the capsule to form a liquid flow passage, and the liquid flow passage coincides with a central axis of the capsule; and

(b) dissolving stage: continuing injecting liquid, by the injection head, into the capsule, wherein the liquid is splashed by the protrusion or the circular arc-shaped curved surface of the capsule~~splashing portion~~ to gradually dissolve the soybean powder upwards from the bottom of the capsule until the soybean powder is completely dissolved; and providing a lead-out hole being deviated from an extension line of the injection head, and extruding out soybean milk in the capsule via the lead-out hole, wherein the lead-out hole is deviated from the central axis of the capsule.

~~2. The method of making soybean milk applicable to a device of making soybean milk according to claim 1, wherein the lead-out hole is deviated from an extension line of the injection head.~~

~~3~~2. The method of making soybean milk ~~applicable to a device of making soybean milk~~ according to claim 1, further comprising a stage for discharging soybean milk by inflation: inflating the capsule, and extruding out the soybean milk in the capsule via the lead-out hole by utilizing air pressure.

~~4~~3. The method of making soybean milk ~~applicable to a device of making soybean milk~~ according to claim 1, wherein the liquid flow passage has a longitudinal cross section in a tapered shape, and has a taper ranging from 0 degree to 15 degrees~~the liquid flow passage coincides with a central axis of the capsule, and the lead-out hole is deviated from the central axis of the capsule~~.

~~5~~4. The method of making soybean milk~~ applicable to a device of making soybean milk~~ according to ~~any one of claims 1 to 4~~claim 2 or 3, wherein an injection hole of the injection head has a diameter ranging from 0.5mm to 2mm, and the lead-out hole has a diameter ranging from 2mm to 6mm.

~~6. The method of making soybean milk applicable to a device of making soybean milk according to claim 5, wherein, in the step (a), a flow rate of the liquid when flowing out of the injection hole ranges from 8ml/s to 16ml/s; and in the step (b), the flow rate of the liquid when flowing out of the injection hole ranges from 6ml/s to 15ml/s.~~

~~7. The method of making soybean milk applicable to a device of making soybean milk according to claim 6, wherein, in both the step (a) and the step (b), the flow rate of the liquid when flowing out of the injection hole ranges from 12ml/s to 15ml/s.~~

~~8~~5. The method of making soybean milk ~~applicable to a device of making soybean milk~~ according to claim ~~5~~4, wherein, in the pre-dissolving stage~~step (a)~~, a pressure of the liquid ~~when flowing out of the injection hole~~ ranges from 0.1MPa to 0.3MPa, and a flow rate of the liquid ~~when flowing out of the injection hole~~ ranges from 12ml/s to 16ml/s; and in the dissolving stage~~step (b)~~, the pressure of the liquid ~~when flowing out of the injection hole~~ ranges from 0.06MPa to 0.09MPa, and the flow rate of the liquid ~~when flowing out of the injection hole~~ ranges from 6ml/s to 10ml/s.

~~9~~6. The method of making soybean milk ~~applicable to a device of making soybean milk~~ according to ~~any one of claims 1 to 4~~claim 1, wherein the capsule has a diameter ranging from 50mm to 60mm and a height ranging from 30mm to 40mm, and a longitudinal cross section of the capsule is in an isosceles trapezoid shape, and an obliqueness of a non-parallel line ranges from 0 degree to 10 degrees~~the capsule is cylindrical, and the splashing portion is circular, and a ratio of a diameter of the splashing portion to a diameter of the bottom wall of the capsule ranges from 1:3 to 1:10~~.

7. A device of making soybean milk, comprising a base, a holder for carrying a capsule, a liquid supply mechanism and an injection head, and the holder, the liquid supply mechanism and the injection head being arranged on the base, and the injection head having one end in communication with the liquid supply mechanism, and the other end aiming at the capsule; wherein, the device of making soybean milk further comprises a control device having a soybean milk making program, and the soybean milk making program comprises the method of making soybean milk according to any one of claims 1 to 6.~~10. The method of making soybean milk applicable to a device of making soybean milk according to any one of claims 1 to 4, wherein the capsule has a volume ranging from 60ml to 80ml.~~