

Summary of the Invention

The purpose of this invention when used as a paint sprayer is to mix differing portions of different color paints up-taken from 2 containers and then expelled from the device in a new color variant.

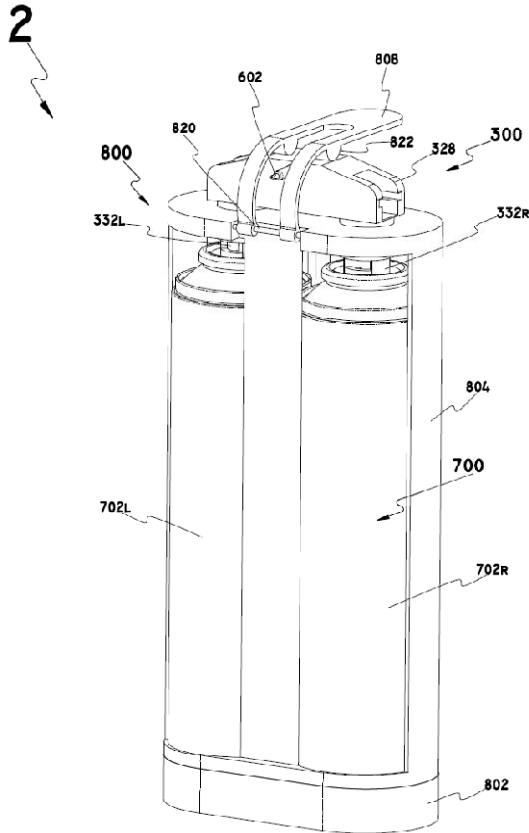
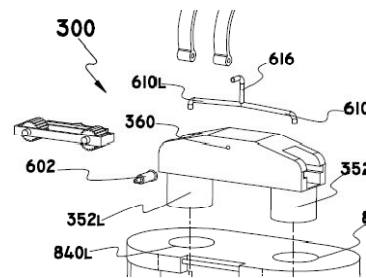
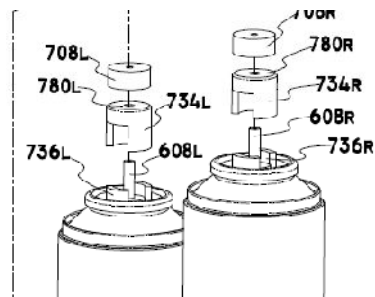


FIG. 9

The present invention provides a sprayer, comprising a spraying mechanism, at least two liquid containers, a flow adjusting mechanism, and a base accommodating two common spray paint cans which plug into the device.

The liquid feeding member may have at least two liquid feeding tubes, one end of each of the at least two liquid feeding tubes is in liquid communication with each of the two common spray paint cans respectively. The other end of each of the at least two liquid feeding tubes is jointed and connected to the inlet of the spraying mechanism. Each of the liquid feeding tubes has a flexible portion, the sectional area of the inside space of which may be changed by the external pressures.



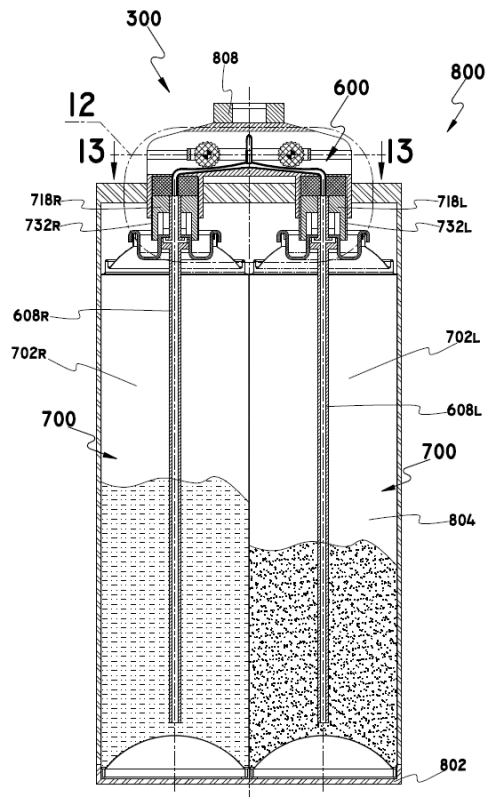
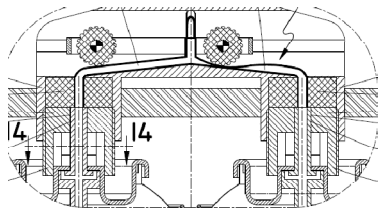


FIG. II



The flow adjusting mechanism is configured to mount outside and close to the flexible portion of each of at least two liquid feeding tubes and enable to change the sectional areas of the inside space of the at least two feeding tubes at flexible sections in such way that amount of liquid supplied from each of the at least two liquid containers through each of the at least two liquid feeding tubes is adjusted.

The two adjusting members are two rollers. During moving from a position corresponding to a thinner position to a position corresponding to a thicker position of the one steep surface, one of the two rollers moves from slightly touching the outer surface of the flexible portion against the one steep surface to lightly pressing and gradually more strongly pressing the outer surface of the flexible portion, and when reaching a position corresponding to the thickest end of the one steep surface, one roller presses firmly against the one flexible portion so that no liquid may pass through it, vice versa.

Each of the two rollers may have an axis. Two ends of each axis may be located inside each of two grooves respectively.

The two ends of each axis may be supported by a frame, and the adjusting knob may be provided on the frame, whereby the proportion of the fluid outflow from the two containers is adjusted by moving the adjusting knob.