

A method of ultrasonic dispersion of liquid consists in that the liquid dispersion is carried out by sonicated gaseous medium. Insonification of gaseous medium is carried out by tangential supply of gas under excess pressure into a vortex chamber, swirling the gas flow around the axis of vortex chamber with increasing velocity of the gas flow and discharge in the axial area of vortex chamber, then the swirled gas flow is fed on a ultrasonic acoustic radiator, which sends it to a reflector and outside of the vortex chamber a three-dimensional area of ultrasonic dispersing of components is formed, in which an area standing ultrasonic waves and low pressure is created, through which liquid is ejected into the three-dimensional area of ultrasonic dispersing of components and dispersed.