

ABSTRACT

ATOMIZATION DEVICE AND METHOD FOR MANUFACTURING PRODUCT WITH FLUIDITY USING SAID DEVICE

An object of the present invention is to develop a mechanism capable of more effectively performing processing such as emulsification, dispersion, dissolution, atomization, mixing, or stirring on a processing object with fluidity using an atomization device including a rotor-stator type mixer while an inside of a processing tank is maintained in a pressured state, at atmospheric pressure, or in a vacuum state, and occurrence of a negative pressure state on a center side (inner diameter side) of a rotor is actively suppressed or prevented.

An atomization device comprises a rotor-stator type mixer in a processing tank. The atomization device performs processing such as emulsification, dispersion, atomization, mixing, or stirring on a processing object with fluidity using the rotor-stator type mixer while an inside of the processing tank is maintained in a pressured state, at atmospheric pressure, or in a vacuum state. The atomization device has a mechanism in which the rotating rotor makes the processing object flow at a predetermined pressure or higher.