

GAS TRANSFER TYPE ULTRASONIC GUSHING FINE POWDER QUANTITATIVE FEEDING SYSTEM AND GAS TRANSFER TYPE ULTRASONIC GUSHING FINE POWDER QUANTITATIVE FEEDING METHOD

Abstract

The present invention provides a method for quantitatively and stably supplying fine powder and a system for implementing the method. In this invention, in a state in which at least part of the ultrasonic vibration gushing portion is in contact with the fine powder surface of the surface layer of the fine powder stored in the fine powder storage container, the powder inlet of the feed nozzle takes in the fine powder rising from the fine powder surface onto the ultrasonic vibration gushing portion through the passage region of the ultrasonic vibration gushing portion, together with the carrier gas, by ultrasonically vibrating at least part of the ultrasonic vibration gutting portion.

Fig. 5