

SPRAY DEVICE, SPRAY METHOD, AND MIST SPACE STAGING SYSTEM**ABSTRACT**

A spray device (A) according to the present disclosure includes: a two-fluid nozzle (11) which sprays a mist (91); a spray-device-side gas flow path (12) for supplying a gas to the two-fluid nozzle (11); a gas supply source (17) which supplies the gas to the spray-device-side gas flow path (12); a spray-device-side liquid flow path (13) for supplying a liquid to the two-fluid nozzle (11); a liquid supply source (18) which supplies the liquid to the spray-device-side liquid flow path (13); a pulse-driven liquid flow control valve (14) having a valve opening degree that is adjusted according to a pulse signal to control the flow rate of the liquid in the spray-device-side liquid flow path (13); and a controller (30) which adjusts, in multiple levels, the concentration of the mist (91) sprayed from the two-fluid nozzle 11 by adjusting the valve opening degree of the liquid flow control valve 14.

[FIG. 1]