

ABSTRACT

ATOMIZATION NOZZLE, ATOMIZATION DEVICE, SPRAYING DEVICE, AND
ATOMIZATION METHOD

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Problem: To provide an atomization nozzle, an atomization device, a spraying device, and a spraying method that allow for changing a spraying pattern with a simple configuration.

10 Solution: Provided is an atomization nozzle including: a nozzle body member 122 having a gas ejection path 142 and a gas ejection port 143; a liquid nozzle member 121 having a liquid ejection path 123 and a liquid ejection port 124, a tip portion of the liquid nozzle member being inserted through the gas ejection path 142; a
15 pattern adjustment groove 152 that produces a swirling flow in the gas ejection path 142; and a spraying pattern adjustment member 150 having a communication flow path 151 and a blocking portion 153, where a spraying pattern can be changed by switching between a first position in which the pattern adjustment groove 152 and a gas supply flow path 130 to 132 are in communication via the communication flow path 151 and a second position in
20 which the pattern adjustment groove 152 is covered by the blocking portion 153. Also provided are an atomization device, a spraying device, and a spraying method.

[FIG. 1]