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(54) **GAS TRANSPORTATION DEVICE**

(57) A gas transportation device (1) includes a casing (11), a nozzle plate (12), a chamber frame (13), an actuator (14), an insulating frame (17) and a conducting frame (18), which are stacked sequentially. The casing (11) has a conduit (116) protruding outwardly from the casing (11) and aligned with a discharging opening (112). The conduit (116) has a guiding channel (117) and an outlet (118). The guiding channel (117) has a cone shape and is tapered from an end proximate to the discharging opening (112) to the other end proximate to the outlet (118). The actuator (14), the chamber frame (13) and the

suspension plate (121) collaboratively define a resonance chamber (130). When the actuator (14) is driven, the nozzle plate (12) is subjected to resonance and the suspension plate (121) of the nozzle plate (12) vibrates in a reciprocating manner. Consequently, the gas is transported to a gas-guiding chamber (19) through at least one gap (125) and outputted from the discharging opening (112).

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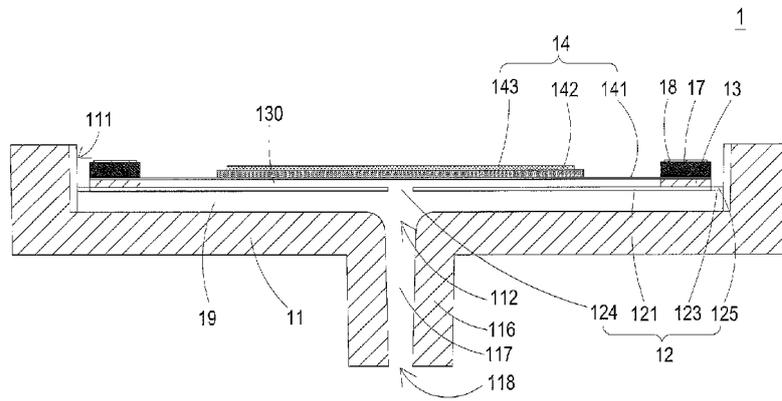


FIG. 5A