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(54) **Title:** METHOD AND APPARATUS FOR GAS AND DEPOSITION PRECURSOR DELIVERY HEATER

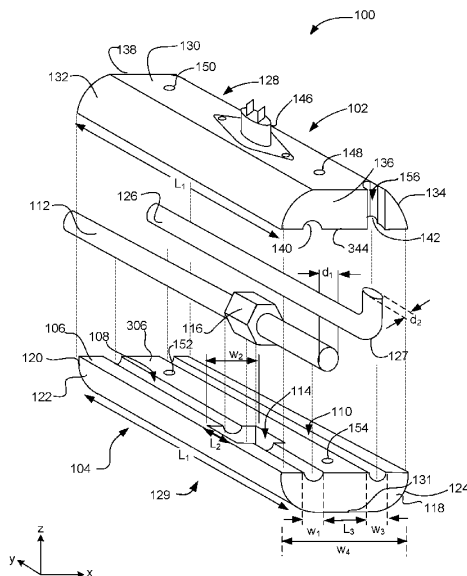


FIG. 1A

(57) **Abstract:** A gas delivery apparatus having a heating block assembly, a heating element, a gas line, and a temperature-sensing switch. The heating block assembly includes a pair of heating blocks. Individual ones of the pair of heating blocks comprise a planar surface. The planar surface comprises first and second grooves that are substantially parallel. The first and second grooves extend along a length of the heating block. The planar surfaces of the individual ones of the pair of heating blocks are in mechanical contact with each other. The heating element is within the first groove. The first groove and the heating element extend along a length of the heating block assembly. A gas line is within the second groove. The second groove is adjacent to the first groove within the heating block assembly. The temperature-sensing switch is mechanically coupled to the heating block assembly and electrically coupled to the heating element.

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