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(54) Title: ADDITIVE MANUFACTURING WITH LASER AND GAS FLOW

(57) Abstract: An additive manufacturing system includes a platen, a feed material dispenser apparatus configured to deliver a feed material onto the platen, a laser source configured to produce a laser beam during use of the additive manufacturing system, a controller configured to direct the laser beam to locations on the platen specified by a computer aided design program to cause the feed material to fuse, a gas source configured to supply gas, and a nozzle configured to accelerate and direct the gas to substantially the same location on the platen as the laser beam.

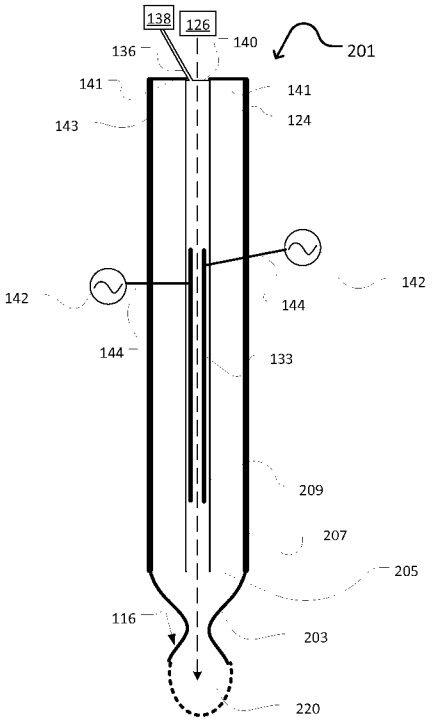


Fig. 1C

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