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(54) Title: MICROFLUIDIC DEVICE AND LIQUID CONTROL SYSTEM THEREFOR

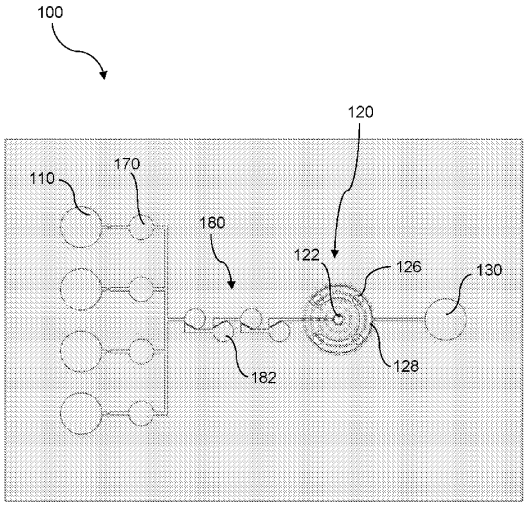


Figure 1

(57) Abstract: The present invention relates to a microfluidic device (100) for mixing liquids, wherein the microfluidic device (100) omprises a plurality of device inlets (110), each device inlet (110) for receiving a liquid; a chamber assembly (120) omprising a set of chamber inlets (122) in fluid communication with the device inlets (110); a mixing chamber (124) for eceiving the liquids through the chamber inlets (122); and a plurality of chamber outlets (126) for communicating the iquids away from the mixing chamber (124); and a set of device outlets (130) in fluid communication with the chamber utlets (126), wherein the chamber outlets (126) are spaced around the mixing chamber (124) such that the mixing hamber (124) facilitates uniform mixing of the liquids communicating from the chamber inlets (122) to the chamber utlets (126). The invention also relates to a method of additive manufacturing a product comprising the microfluidic evice as well as a liquid control system for controlling liquids in a microfluidic device.

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