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(54) Title: HEAT EXCHANGERS AND COLD PLATES MANUFACTURED VIA LAMINATED OBJECT MANUFACTURING

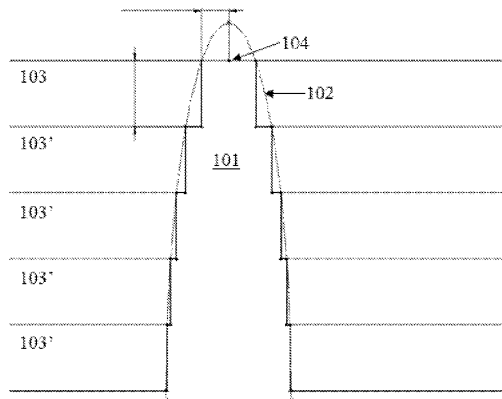


FIG. 1

(57) Abstract: Methods and systems for the laminated object manufacturing of heat exchangers. Some embodiments include a method that includes patterning a plurality of metal sheets so that each metal sheet contains at least one void space of a plurality of void spaces and is otherwise a closed plane; assembling the plurality of metal sheets so that the plurality of void spaces forms at least one channel; bonding the plurality of assembled metal sheets to form a workpiece by applying a mechanical force; and subjecting the workpiece to a mechanical forming process to form the heat exchanger from the workpiece, wherein the heat exchanger contains at least one flow path formed from the at least one channel and connected to at least two externally accessible ports on the heat exchanger.

[Continued on next page]

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