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(54) Title: HOMOGENIZING HETEROGENEOUS FOILS FOR LIGHT ALLOY METAL PARTS

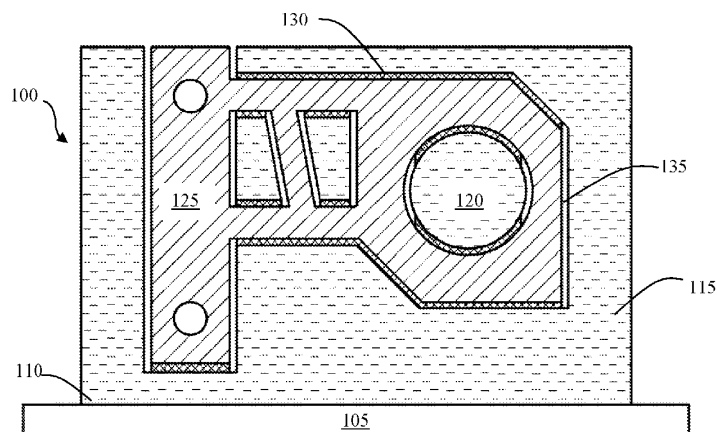


FIG. 1

(57) Abstract: A method for the manufacturing of an object. The method includes receiving a desired alloy composition for the object, depositing a plurality of foils in a stack to form the object, applying heat to the stack at a first temperature to bond the plurality of foils to each other, and applying heat to the stack at a second temperature to homogenize the composition of the stack. The homogenized stack has the desired alloy composition.

[Continued on next page]

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