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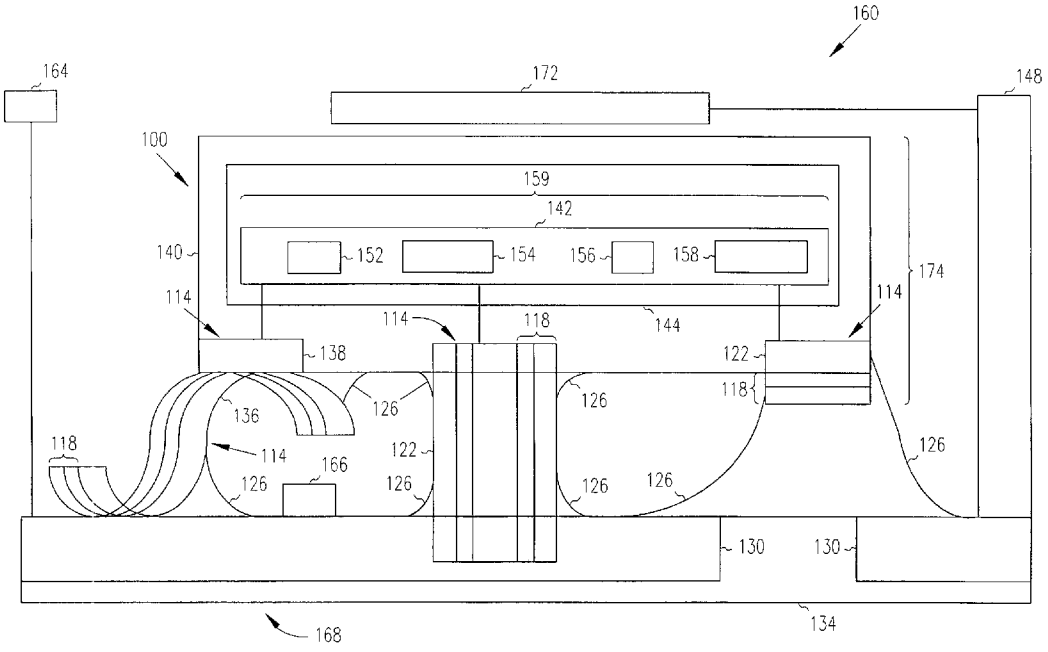
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(54) Title: CONDUCTIVE MATERIAL COMPOSITIONS, APPARATUS, SYSTEMS, AND METHODS



(57) Abstract: Various apparatus and systems, as well as methods and articles, may include the use of several compositions, such as solder formulations, including about 78 %-83 % by weight of lead, about 9 %-11 % by weight of antimony, about 1 %-3 % by weight of silver, and a balance of tin. Some embodiments include a process of removing a previously-existing lead finish, and applying a new finish to the lead to improve solder operation compatibility, as well as solder joint reliability in high temperature environments.

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