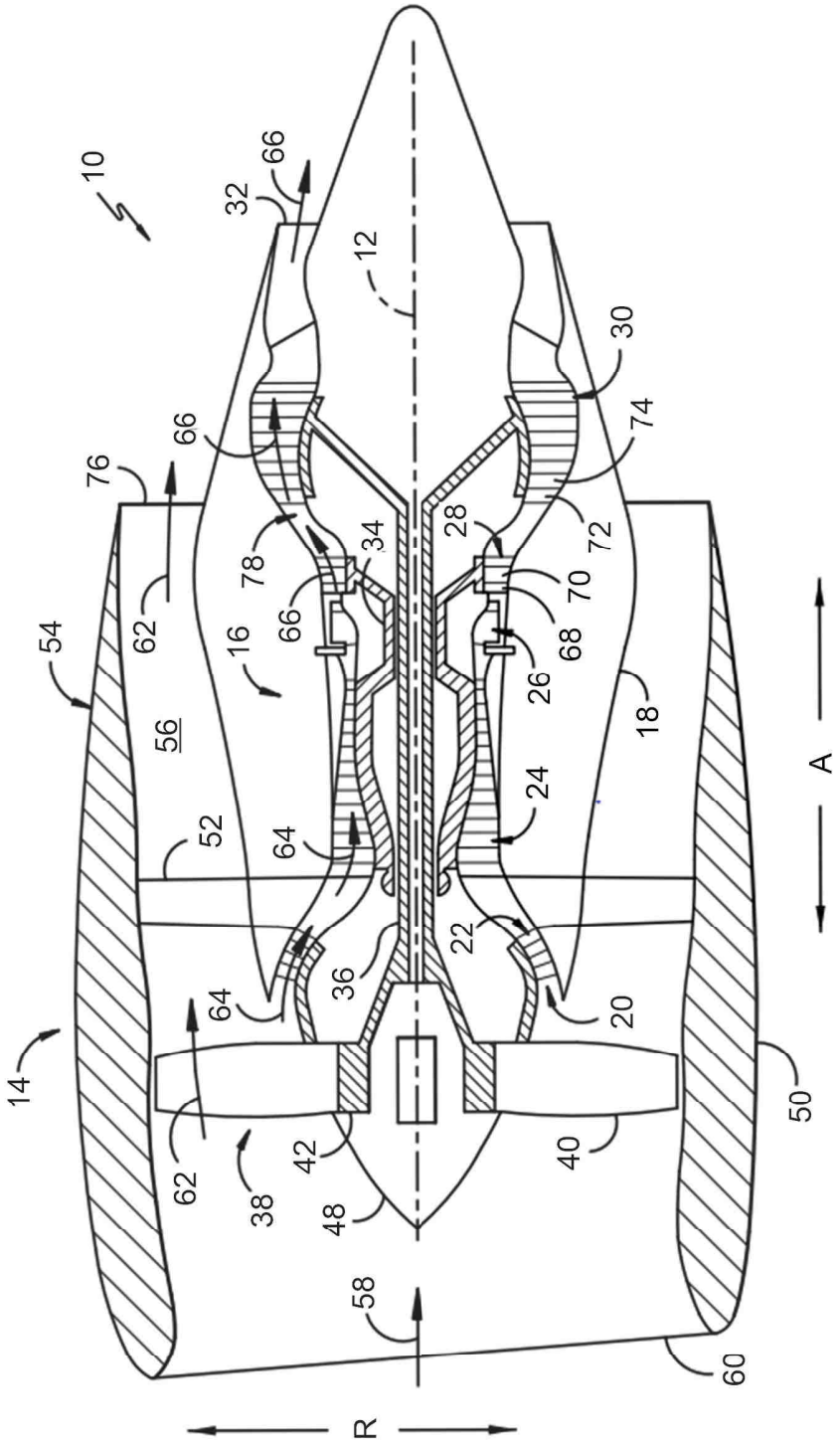

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A

FIG. 1

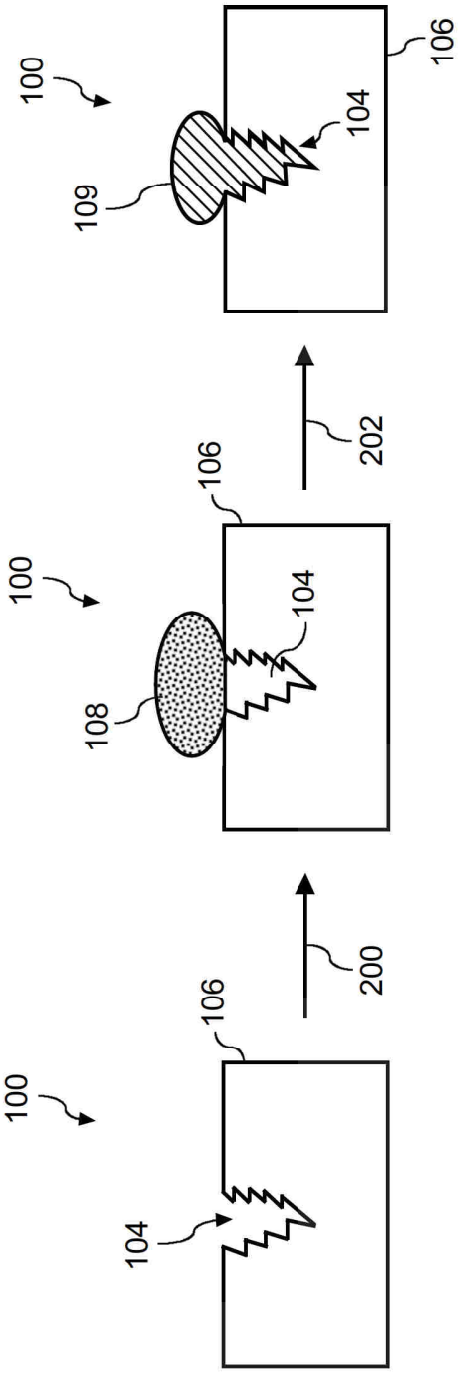


FIG. 2

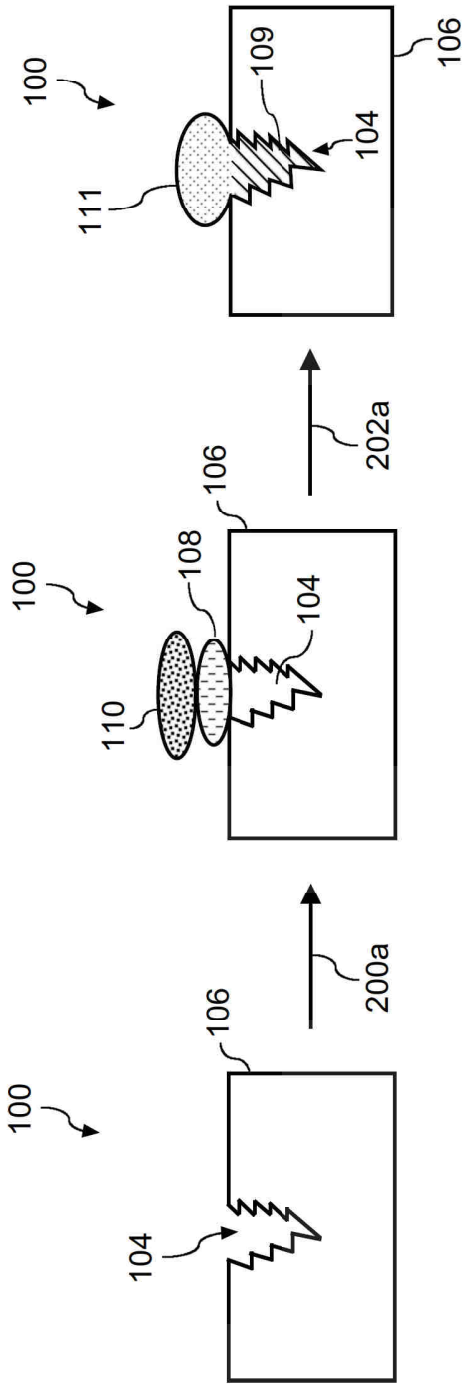


FIG. 3

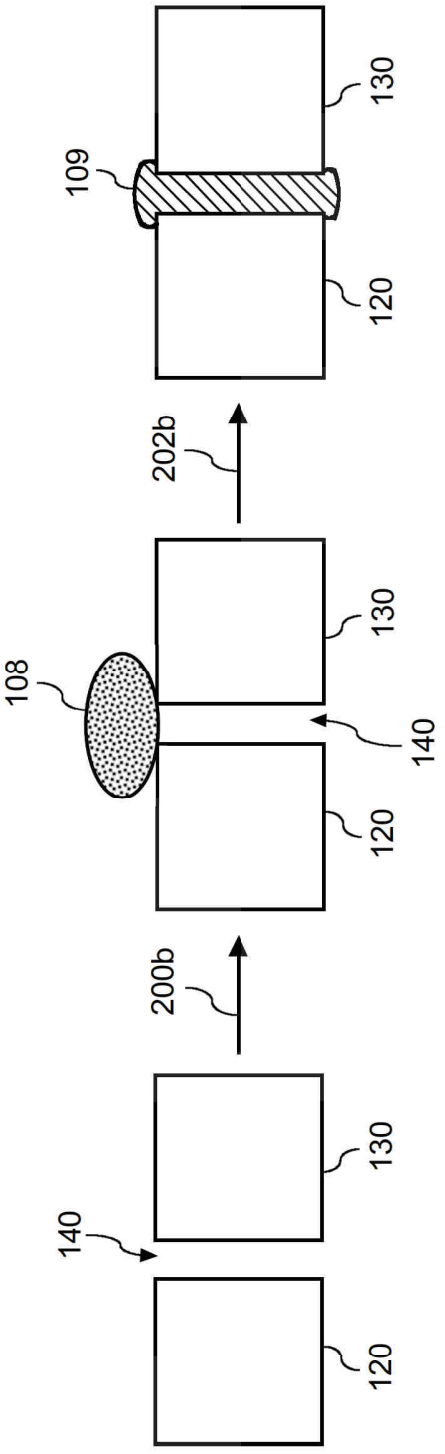


FIG. 4

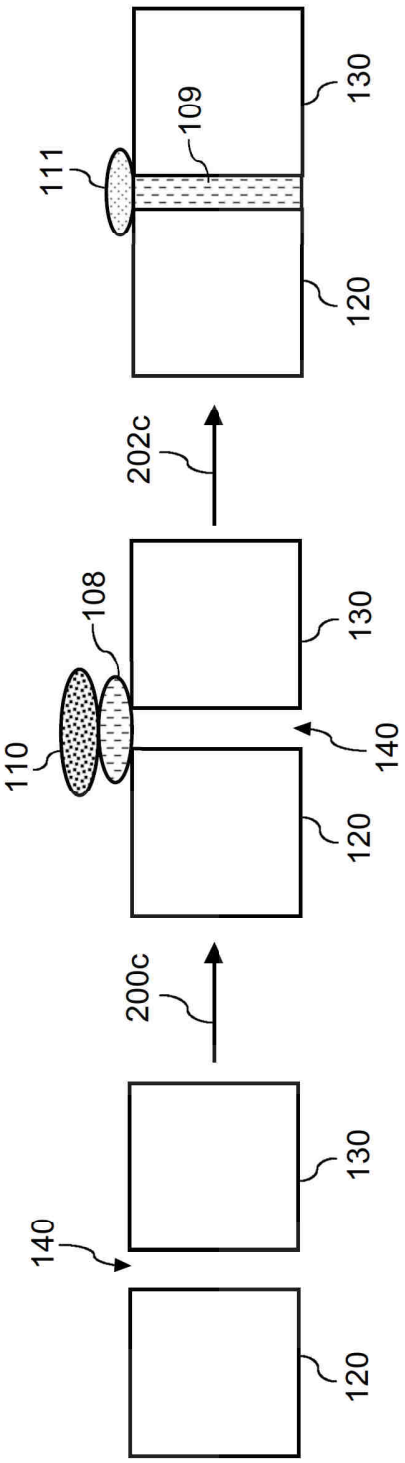


FIG. 5

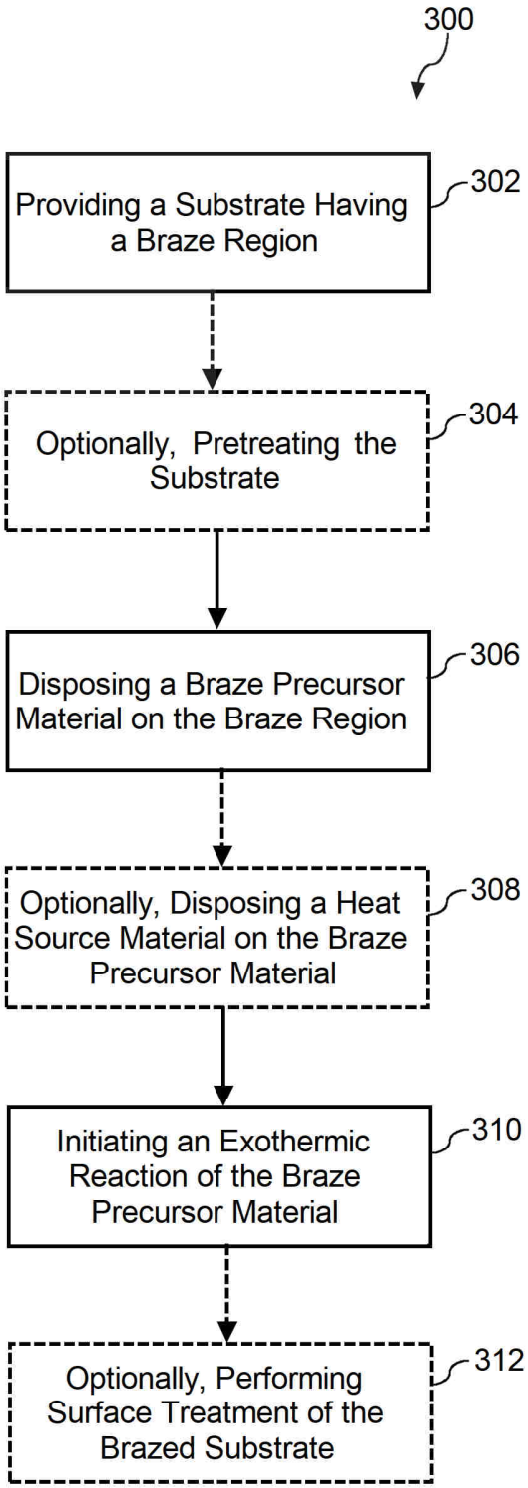

300
Providing a Substrate Having a Braze Region
302
Optionally, Pretreating the Substrate
304
Disposing a Braze Precursor Material on the Braze Region
306
Optionally, Disposing a Heat Source Material on the Braze Precursor Material
308
Initiating an Exothermic Reaction of the Braze Precursor Material
310
Optionally, Performing Surface Treatment of the Brazed Substrate
312

FIG. 6

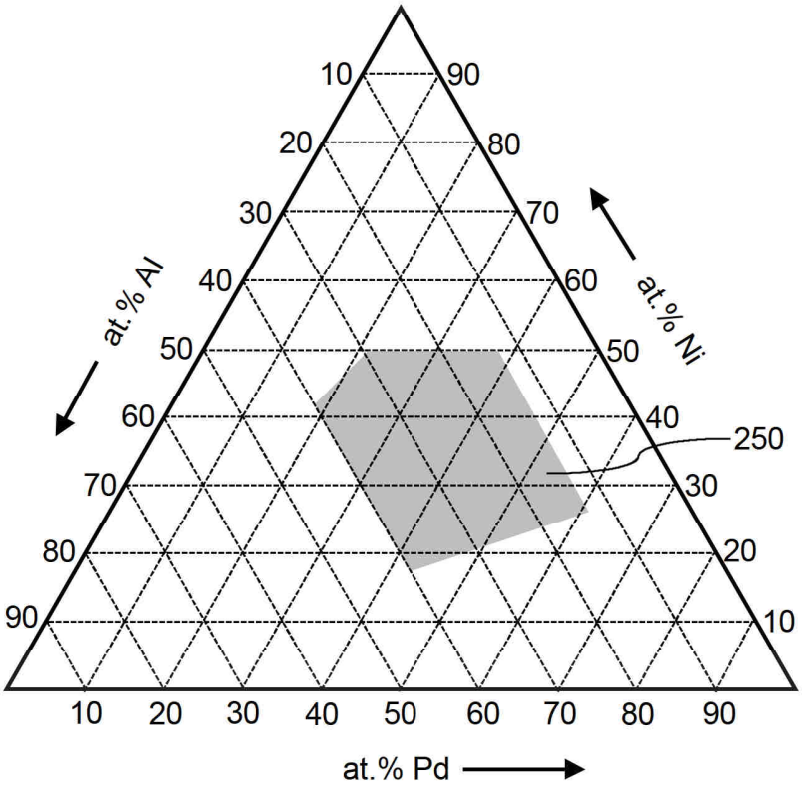

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at.% Al
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20
10
at.% Ni
10 20 30 40 50 60 70 80 90
at.% Pd
250

FIG. 7

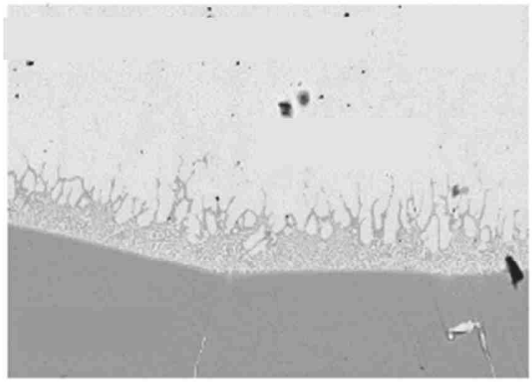


FIG. 8



FIG. 9

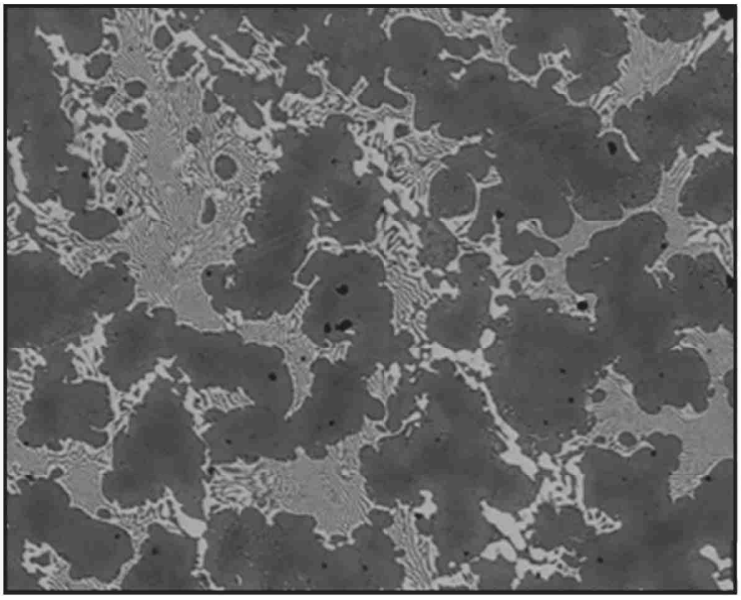


FIG. 10