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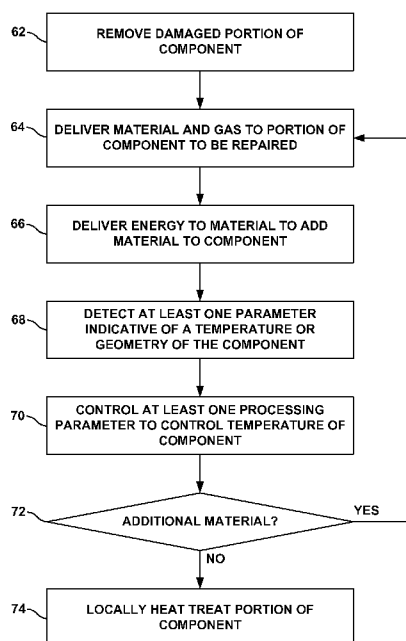
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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) **Title:** REPAIR OF GAS TURBINE ENGINE COMPONENTS

**FIG. 5**

(57) **Abstract:** In some examples, a technique includes delivering, using a material delivery device, material adjacent to a repair surface of a component and delivering, using a gas delivery device, a gas adjacent to the repair surface. The technique also may include delivering, from an energy source, energy to the material adjacent the repair surface to fuse the material to the repair surface; and receiving, by a computing device, at least one parameter indicative of at least one of a temperature or a geometry of the component. The technique may further include, responsive to the at least one parameter indicative of the at least one of the temperature or the geometry of the component, controlling, by the computing device, at least one processing parameter to control the temperature of the component.



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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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