Claims

1. A method to fill a gap in a component comprising:

orienting the component so the gap is generally upwards with respect to gravity;

vibrating the component;

applying an alloy powder onto the component such that the alloy powder is received into a gap in response to the vibrating of the component;

capping the alloy powder within the gap with a bi-modal braze composition; and

utilizing a combination of 50-80% alloy powder; a 10% braze binder; and a remainder of an alloy powder with a melting point depressant as the bi-modal braze composition.

2. The method as recited in claim 1, further comprising:

applying the bi-modal braze composition as a bead.

3. The method as recited in claim 2, further comprising:

applying the bi-modal braze composition with a syringe.

4. The method as recited in claim 1, further comprising:

brazing the component within a furnace.

5. A method for repairing a gas turbine engine component comprising:

orienting the component so that a gap in the component is generally upwards with respect to gravity;

vibrating the component;

applying an alloy powder onto the component such that the alloy powder is received into the gap in response to the vibrating of the component;

capping the alloy powder within the gap with a bi-modal braze composition; and

utilizing a combination of 50-80% alloy powder; a 10% braze binder; and a remainder of an alloy powder with a melting point depressant as the bi-modal braze composition.

6. The method as recited in claim 5, further comprising:

applying the bi-modal braze composition as a bead.

7. The method as recited in claim 6, further comprising:

applying the bi-modal braze composition with a syringe.

8. The method as recited in claim 5, further comprising:

brazing the component within a furnace.

9. The method as recited in claim 5, wherein the component is a vane.

10. The method as recited in claim 5, wherein the component is a blade.

11. The method as recited in claim 1, further comprising:

applying a stop-off boundary to bound the gap.

12. The method as recited in claim 11, wherein the stop-off boundary is an oxide composition.

13. The method as recited in claim 5, further comprising:

applying a stop-off boundary to bound the gap.

14. The method as recited in claim 13, wherein the stop-off boundary is an oxide composition.

15. The method as recited in claim 5, further comprising:

repairing a thru-wall crack by applying a braze paint to a bottom side of the gap prior to the applying of the alloy powder onto the component.