CLAIMS

1. A lost core assembly comprising:

a ceramic component having a tapered shape in a radial direction, said radial direction being defined as extending away from a platform to a tip of an airfoil which will be formed in part by the lost core assembly; and

a refractory metal component extending radially from said ceramic core component wherein said ceramic component tapered shape having a first end of a first area and a second end of a second smaller area, and sides of said ceramic component tapering between said first and said second ends, and said refractory metal component secured to said second end.

2. The lost core assembly as set forth in claim 1, wherein the lost core assembly is located within the mold core of a mold for a gas turbine engine component to form the cooling circuit passages for the same.

3. The lost core assembly as set forth in claim 1, wherein said ceramic component having slots on said second end and said refractory metal component extending into said slots.

4. The lost core assembly as set forth in claim 1, wherein a glue is positioned in said slots to secure said refractory metal component to said ceramic component.

5. The lost core assembly as set forth in claim 4, wherein there are a plurality of ceramic components secured to said refractory metal components.

6. The lost core assembly as set forth in claim 4, wherein there are a plurality of refractory metal components secured to said ceramic component.

7. The lost core assembly as set forth in claim 4, wherein said refractory metal component extending for a greater distance in a direction from said first face to said second face of said ceramic core component and is thinner than said ceramic core component in a second direction perpendicular to said first direction.

8. The lost core assembly as set forth in claim 1, wherein said refractory metal component extending for a greater distance in a direction from said first face to said second face of said ceramic core component and is thinner than said ceramic core component in a second direction perpendicular to said first direction.

9. The lost core assembly as set forth in claim 8, wherein a glue secures said ceramic components to said refractory metal component.

10. The lost core assembly as set forth in claim 1, wherein there are a plurality of ceramic components secured to said refractory metal component.

11. The lost core assembly as set forth in claim 1, wherein there are a plurality of refractory metal components secured to said ceramic component.

12. The lost core assembly as set forth in claim 1, wherein a glue secures said ceramic components to said refractory metal component.

13. A gas turbine engine component mold incorporating a lost core assembly as claimed in any one of the preceding claims.

14. A method of molding a gas turbine engine component comprising the steps of:

inserting a core assembly into a mold for a gas turbine engine component, the component having a ceramic component with a tapered shape in a radial direction, said radial direction being defined as extending away from a platform to a tip of an airfoil which will be formed in part by the lost core assembly; and

a refractory metal component extending radially from said ceramic core component wherein a first end of a first area and a second end of a second smaller area, and sides of said ceramic component tapering between said first and said second end

15. The method as set forth in claim 14, wherein said ceramic component having slots on said second end and said refractory metal component extending into said slots.

16. The method as set forth in claim 15, wherein a glue is positioned in said slots to secure said refractory metal component to said ceramic component.

17. The method as set forth in claim 14, wherein said refractory metal component extending for a greater distance in a direction from said first face to said second face of said ceramic core component and is thinner than said ceramic core component in a second direction perpendicular to said first direction.

18. The method as set forth in claim 14, wherein a glue secures said ceramic components to said refractory metal component.

19. The method as set forth in claim 14, wherein there are a plurality of ceramic components secured to said refractory metal component.

20. The method as set forth in claim 14, wherein there are a plurality of refractory metal components secured to said ceramic component.