CLAIMS

What is claimed is:

1. A fuel nozzle guide for a combustor of a turbine engine comprising:

an annular base with a hub section, said hub section at least partially formed of a Cold Metal Transfer (CMT) weld.

2. The fuel nozzle guide as recited in claim 1, wherein said hub section is frusto-conical.

3. The fuel nozzle guide as recited in claim 1, wherein said Cold Metal Transfer (CMT) weld defines a lip of said hub section.

4. The fuel nozzle guide as recited in claim 1, wherein the Cold Metal Transfer weld is formed by a weld system comprising:

a fixture which supports a Cold Metal Transfer (CMT) weld torch; and

a rotary table which rotates relative to said Cold Metal Transfer (CMT) weld torch.

5. The fuel nozzle guide as recited in claim 4, wherein said rotary table receives one of a multiple of workpiece holders, each of said multiple of workpiece holders define a thickness specific to a particular fuel nozzle guide.

6. The fuel nozzle guide as recited in claim 4, wherein said fixture mechanically fixes said Cold Metal Transfer (CMT) weld torch.

7. The fuel nozzle guide as recited in claim 4, wherein said fixture mechanically positions said Cold Metal Transfer (CMT) weld torch through a rack and pinion arrangement.

8. The fuel nozzle guide of claim 1, comprising cast metal.

CLAIMS

What is claimed is:

1. A fuel nozzle guide for a combustor of a turbine engine comprising:

an annular base with a hub section, that forms a central opening dimensioned for a slip-fit mounting with a fuel nozzle, said hub section at least partially formed of a Cold Metal Transfer (CMT) weld.

2. The fuel nozzle guide as recited in claim 1, wherein said hub section is frustoconical.

3. The fuel nozzle guide as recited in claim 1, wherein said Cold Metal Transfer (CMT) weld defines a lip of said hub section.

4. The fuel nozzle guide as recited in claim 1, wherein the Cold Metal Transfer weld is formed by a weld system comprising:

a fixture which supports a Cold Metal Transfer (CMT) weld torch; and a rotary table which rotates relative to said Cold Metal Transfer (CMT) weld torch.

5. The fuel nozzle guide as recited in claim 4, wherein said rotary table receives one of a multiple of workpiece holders, each of said multiple of workpiece holders define a thickness specific to a particular fuel nozzle guide.

6. The fuel nozzle guide as recited in claim 4, wherein said fixture mechanically fixes said Cold Metal Transfer (CMT) weld torch.

7. The fuel nozzle guide as recited in claim 4, wherein said fixture mechanically positions said Cold Metal Transfer (CMT) weld torch through a rack and pinion arrangement.

8. The fuel nozzle guide of claim 1, comprising cast metal.

9. The fuel nozzle guide as recited in claim 1, wherein the fuel nozzle guide is made of a base material and the CMT weld is made of a softer material than the base material