

CERAMIC METAL INTERLOCKED COMPONENTS AND METHODS OF MAKING AND USING THE SAME

ABSTRACT

A composite element is provided. The composite element includes a ceramic component defining a cavity having a first end and a second end, and a metallic component comprising a head and a body. At least a portion of the body of the metallic component is disposed in the cavity, and the head of the component is disposed on the first end of the cavity. A cross-sectional area of a portion of the body is greater than an area of the first end. In addition, the ceramic and metallic components are interlocked. Methods of making a composite element and of making a clearance sensor part are also provided.

Figure 2.