

AN ELECTRICAL DISCHARGE ASSEMBLY AND METHOD FOR REPAIRING DIFFUSION COOLING PASSAGES

ABSTRACT

An electrical discharge assembly for processing a workpiece having a cooling passage with first and second portions includes a first electrode having a first shape for machining the first portion of the cooling passage and a second electrode having a second shape for machining the second portion of the cooling passage. In a method for repairing cooling passages in a workpiece, a first electrode having a first shape is positioned in a cooling passage. The first electrode is electrically powered to machine a first portion of the cooling passage. A second electrode having a second shape is positioned in the cooling passage. The second electrode is electrically powered to machine a second portion of the cooling passage.

Fig. 7