

ABSTRACT

A tool electrode for an EDM system for repairing a micromixer tube of a combustor, the EDM system and a related method, are provided. The tool electrode includes an elongated member; and a disk having a first side, a second side, an opening in a center thereof, and a slot extending from the first side to the second side and from the opening to an outer periphery of the disk. The elongated member is coupled to the disk and extends through the opening from the first side of the disk and beyond the second side of the disk. The disk is used to remove a damaged end portion of a micromixer tube from within the tube, and without debris damaging the tube or a cutting tool damaging other tubes in a set of micromixer tubes.

[Figure 16]