

METHOD OF REPAIRING KNIFE EDGE SEALS

ABSTRACT

A method of repairing a gas turbine knife edge seal assembly in which assembly is included a used honeycomb ring seal and a knife edge. The method includes removing the used honeycomb ring seal, removing material from the knife edge to a first knife edge radial height, installing a replacement honeycomb ring seal with a stock radial thickness, and removing material from the replacement honeycomb ring seal to a finished radial thickness for sealable engagement with the knife edge. The finished radial thickness of the replacement honeycomb ring seal establishes a first radial gap between an inner annular surface of the replacement honeycomb ring seal and the knife edge before the knife edge seal assembly begins rotating in the gas turbine.

Figure 2