

FIXTURE FOR COMPRESSOR STATOR CHORD RESTORATION REPAIR

ABSTRACT

A fixture assembly for retaining a workpiece during a coining process includes a mounting block. The workpiece includes an airfoil portion, a platform, and feet extending from the platform opposite the airfoil portion configured to engage a retention slot in a gas turbine engine, each foot defining a substantially arcuate engagement surface. The mounting block includes a first portion having a slot defined therein between opposite first and second lateral edges and having an exposed front face, first and second retaining structures positioned adjacent to the first and second lateral edges, respectively. Each of the first and second retaining structures overhangs the slot and defines an engagement surface facing the slot, such that during engagement of the workpiece the substantially arcuate engagement surfaces of the feet contact the engagement surfaces of the first and second retaining structures to provide a pivotable engagement.

Figure 3