

COMPOSITE BLADE ROOT ATTACHMENT

ABSTRACT

5 A preferred embodiment of said present invention is a gas turbine engine blade root shim (40) for use between a composite blade root (18) and a wall of a slot for receiving the root in a rotor (12) of the engine. An exemplary embodiment of the shim (40) includes a longitudinally extending base (60) having distal first and second transversely spaced apart ends (64, 68), first
10 and second longitudinally extending legs (70, 72) acutely angled inwardly towards the base (60) from the first and second ends (64, 68), and first and second low coefficient of friction coatings (78, 80) on first and second outwardly facing surfaces (84, 86) of the first and second legs (70, 72), respectively. Among coatings suitable for use in the present invention are
15 polytetrafluoroethylene powder dispersed in a resin binder and other coatings which include polytetrafluoroethylene.

Figure 1.