ABSTRACT OF THE DISCLOSURE

COOLED ROTOR BLADE WITH VIBRATION DAMPING DEVICE

A rotor blade (12) for a rotor assembly (9) is provided that includes a root (18), an airfoil (20), a platform (22), and a damper (24). The airfoil (20) has at least one cavity (44). The platform (22) is disposed between the root (18) and the airfoil (20). The platform (22) includes an inner surface (58), an outer surface (56), and a damper aperture (60) disposed in the inner surface (58). The damper (24) has a body (62) and a base (64). The base (64) and the damper aperture (60) have mating geometries that enable the base (64) to rotate within the damper aperture (60) without substantial impediment from the mating geometries.