CLAIMS

What is claimed is:

1. A seal damper system comprising:

a plurality of circumferentially spaced blades each including a platform and an airfoil extending radially outwardly from the platform, with a pocket arranged circumferentially intermediate the blades and radially inwardly of the platform; and

a seal damper arranged in the pocket, the seal damper including a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending radially inwardly from the first axial end and a second arm extending radially inwardly from the second axial end, the first arm including a free end having a pair of spaced apart shoulders projecting therefrom.

2. The seal damper system as recited in claim 1, wherein the shoulders are circumferentially spaced apart.

3. The seal damper system as recited in claim 1, wherein the base section is free of any laterally projecting wings.

4. The seal damper system as recited in claim 1, wherein the second arm is axially contoured.

5. The seal damper system as recited in claim 1, further comprising a tab projecting forwardly from the free end of the first arm.

6. The seal damper system as recited in claim 5, wherein the tab is arranged circumferentially between the pair of spaced apart shoulders.

7. The seal damper system as recited in claim 5, wherein the tab is radially offset from tips of the shoulders.

8. The seal damper system as recited in claim 1, wherein the shoulders are axially contoured.

9. A seal damper comprising:

a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending outwardly from the first axial end and a second arm extending outwardly from the second axial end, the first arm including a free end having a pair of spaced apart shoulders projecting therefrom.

10. A seal damper system comprising:

a plurality of circumferentially spaced blades each including a platform and an airfoil extending radially outwardly from the platform, with a pocket arranged circumferentially intermediate the blades and radially inwardly of the platform; and

a seal damper arranged in the pocket, the seal damper including a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending radially inwardly from the first axial end and a second arm extending radially inwardly from the second axial end, the seal damper and the pocket being configured such that the seal damper fully seats in the pocket in only one axial orientation;

wherein the first arm of the seal damper and the pocket are configured with a tab and a slot that interlock.

11. The seal damper system as recited in claim 10, wherein the tab projects forward from the first arm.

12. The seal damper system as recited in claim 11, wherein the tab is arranged circumferentially between a pair of spaced apart shoulders projecting from a free end of the first arm.

13. The seal damper system as recited in claim 11, wherein the tab is radially offset from a tip of a free end of the first arm.

CLAIMS

What is claimed is:

1. A seal damper system comprising:

a plurality of circumferentially spaced blades each including a platform and an airfoil extending radially outwardly from the platform, with a pocket arranged circumferentially intermediate the blades and radially inwardly of the platform; and

a seal damper arranged in the pocket, the seal damper including a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending radially inwardly from the first axial end and a second arm extending radially inwardly from the second axial end, the first arm including a free end having a pair of spaced apart shoulders projecting therefrom.

2. The seal damper system as recited in claim 1, wherein the shoulders are circumferentially spaced apart.

3. The seal damper system as recited in claim 1, wherein the base section is free of any laterally projecting wings.

4. The seal damper system as recited in claim 1, wherein the second arm is axially contoured.

5. The seal damper system as recited in claim 1, further comprising a tab projecting forwardly from the free end of the first arm.

6. The seal damper system as recited in claim 5, wherein the tab is arranged circumferentially between the pair of spaced apart shoulders.

7. The seal damper system as recited in claim 5, wherein the tab is radially offset from tips of the shoulders.

8. The seal damper system as recited in claim 1, wherein the shoulders are axially contoured.

9. A seal damper comprising:

a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending outwardly from the first axial end and a second arm extending outwardly from the second axial end, the first arm including a free end having a pair of spaced apart shoulders projecting therefrom.

10. A seal damper system comprising:

a plurality of circumferentially spaced blades each including a platform and an airfoil extending radially outwardly from the platform, with a pocket arranged circumferentially intermediate the blades and radially inwardly of the platform; and

a seal damper arranged in the pocket, the seal damper including a base section extending along an axial dimension from a first axial end to an opposing second axial end, the base section joining a first arm extending radially inwardly from the first axial end and a second arm extending radially inwardly from the second axial end, the first arm including a free end having a pair of spaced apart shoulders projecting therefrom, the seal damper and the pocket being configured such that the seal damper fully seats in the pocket in only one axial orientation;

wherein the first arm of the seal damper and the pocket are configured with a tab and a slot that interlock, the tab projecting forward from the first arm and the tab is arranged circumferentially between the pair of spaced apart shoulders.

11. The seal damper system as recited in claim 10, wherein the tab is radially offset from a tip of a free end of the first arm.