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(54) **COMBUSTOR LINER SUPPORT AND SEAL ASSEMBLY**

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(52) **U.S. Cl.** **60/800**; 60/752

(58) **Field of Classification Search** 60/722,
60/752, 796, 798, 800, 804

See application file for complete search history.

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(57) **ABSTRACT**

The invention is a combination that includes a gas turbine engine extending along an axis. The gas turbine engine includes an annular combustor with a combustor liner. The combination of the invention also includes a plurality of projections extending from the combustor liner and spaced from one another circumferentially about the axis. The combination of the invention also includes a free-standing ring disposed about the combustor liner and positioned adjacent to the plurality of projections along the axis. The plurality of projections engage a corresponding circumferentially-facing portion of the free-standing ring and circumferentially support the combustor liner while allowing relative radial displacement between the combustor liner and the free-standing ring. The combination of the invention also includes a rolling assembly operably disposed between the free-standing ring and the plurality of projections to reduce binding during the relative radial displacement.

20 Claims, 4 Drawing Sheets

