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Peterson

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(54) **COMPACT BEARING ASSEMBLIES INCLUDING SUPERHARD BEARING SURFACES, BEARING APPARATUSES, AND METHODS OF USE**

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See application file for complete search history.

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(57) **ABSTRACT**

Embodiments of the invention are directed to compact bearing assemblies configured to operate in small spaces and/or in harsh environments, bearing apparatuses including such bearing assemblies, and method of operating such bearing assemblies and apparatuses. For instance, one or more compact bearing assemblies may at least partially rotatably secure a shaft of a power generation unit to a housing thereof. Also, a first compact bearing assembly may connect or couple to the shaft and may rotatably engage a second compact bearing assembly, which may be connected or otherwise secured to the housing.

23 Claims, 11 Drawing Sheets

