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Shaw et al.

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(54) **OPTOMECHANICAL REFERENCE**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

An optomechanical reference includes a basal member; a flexure that includes: a floating link; a first flexural member; and a second flexural member such that: the floating link is moveably disposed; a first stator; a second stator; a first cavity including: a first primary mirror; a first secondary mirror; a first optical coupler in optical communication with the first secondary mirror; and a first cavity length; and a second cavity including: a second primary mirror; a second secondary mirror; a second optical coupler; and a second cavity length.

13 Claims, 14 Drawing Sheets