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(71) Applicant (for all designated States except US): **ARTIFICIAL MUSCLE, INC.** [US/US]; 925 Hamilton Avenue, Menlo Park, California 94025 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HEIM, Jon** [US/US]; 61 Clarendon Road, Pacifica, California 94044 (US).

(74) Agent: **BAGADE, Sanjay, S.**; Levine Bagade Han LLP, 2483 East Bayshore Road, Suite 100, Palo Alto, CA 94303 (US).

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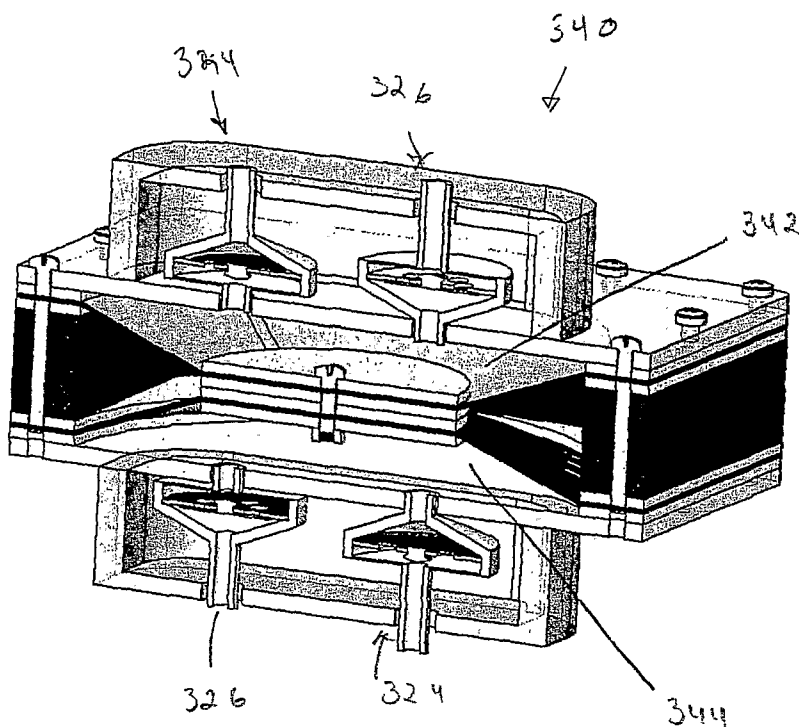
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(54) Title: HIGH-PERFORMANCE ELECTROACTIVE POLYMER TRANSDUCERS



(57) Abstract: Electroactive polymer constructions that convert electrical energy to mechanical energy and vice versa are disclosed. The subject transducers (actuators, generators, sensors or combinations thereof) share the requirement of a frame or fixture element used in preloading elastomeric film electrodes and dielectric polymer in a desired configuration. The structures are either integrally biased in a push-pull arrangement or preloaded/biased by another element.