

Title (en)
AUDIO DEVICES HAVING ELECTROACTIVE POLYMER ACTUATORS

Title (de)
AUDIOVORRICHTUNGEN MIT ELEKTROAKTIVEN POLYMERISCHEN AKTUATOREN

Title (fr)
DISPOSITIFS AUDIO AYANT DES ACTIONNEURS EN POLYMÈRE ÉLECTROACTIF

Publication
EP 2721839 A2 20140423 (EN)

Application
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Abstract (en)
[origin: WO2012173669A2] Sensory enhanced audio devices containing an electroactive polymer module are disclosed. The electroactive polymer module may be located in, for example, an ear cup of a headphone. The module includes an electroactive polymer actuator array having at least one elastomeric dielectric element disposed between first and second electrodes. A tray may be configured to receive the electroactive polymer actuator array and a mass coupled to the actuator array. A circuit is electrically coupled to the electroactive polymer actuator array. The circuit is to generate a drive signal to cause the electroactive polymer actuator array to move according to the drive signal. The drive signal is preferably in the frequency range of about 2 Hz to about 200 Hz.

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