

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

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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.

IPC 8 full level

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