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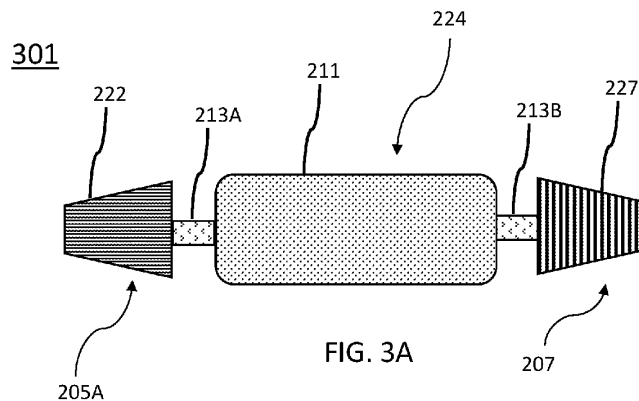
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(54) Title: SYSTEMS, DEVICES, AND METHODS FOR PERFORMING ACTIVE AUSCULTATION AND DETECTING ACOUSTIC SIGNALS AND/OR SONIC ENERGY MEASUREMENTS



(57) Abstract: A device for performing active auscultation comprising: a main body; a body attachment structure; and one or more wings; wherein said main body comprises memory, battery, IMU, transceiver, and DSP; wherein said one or more wings comprise a microphone wing and a speaker wing; wherein said microphone wing comprises one or more microphones; wherein said speaker wing comprises a speaker; wherein said one or more wings comprise a temperature sensor; wherein said main body is configured to engage said body attachment structure; wherein said body attachment structure is configured to engage, on a first side said main body, and on a second side an animal body.



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