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(54) **UNDERWATER NOISE REDUCTION SYSTEM USING OPEN-ENDED RESONATOR ASSEMBLY AND DEPLOYMENT APPARATUS**

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CPC E02D 13/00; E02D 13/005; E02D 13/02; E02D 13/04; E02B 17/003; E02B 17/0017; E21B 41/0007; G01V 1/38; G01V 1/387
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See application file for complete search history.

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(57) **ABSTRACT**

A novel underwater noise abatement and deployment system are described. The system uses inverted open-ended resonators (e.g., Helmholtz resonators) to absorb underwater noise. The system includes stackable resonator cavity embodiments arranged to surround a noisy environment or act nearby it. The system can be deployed from a ship or barge or similar structure, and can be stored when not in use.

6 Claims, 9 Drawing Sheets

