

(12) **United States Patent**
Ayle

(10) **Patent No.:** **US 8,066,098 B2**
(45) **Date of Patent:** ***Nov. 29, 2011**

(54) **ACOUSTIC SEPTUM CAP HONEYCOMB**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **12/961,112**

(22) Filed: **Dec. 6, 2010**

(65) **Prior Publication Data**

US 2011/0073407 A1 Mar. 31, 2011

Related U.S. Application Data

(62) Division of application No. 12/151,886, filed on May 9, 2008, now Pat. No. 7,854,298.

(51) **Int. Cl.**
G10K 11/172 (2006.01)

(52) **U.S. Cl.** **181/292**

(58) **Field of Classification Search** 181/284,
181/286, 288, 290, 291, 292, 293
See application file for complete search history.

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(57) **ABSTRACT**

An acoustic structure that includes a honeycomb having cells in which septum caps are located. The septum caps are formed from sheets of acoustic material and include a resonator portion and a flange portion. The flange portion has an anchoring surface that provides frictional engagement of the septum caps to the honeycomb cells when the caps are inserted into the honeycomb during fabrication of the acoustic structure. An adhesive is applied to the anchoring surface of the septum caps after the caps have been inserted into the honeycomb cells to provide a permanent bond.

20 Claims, 3 Drawing Sheets

