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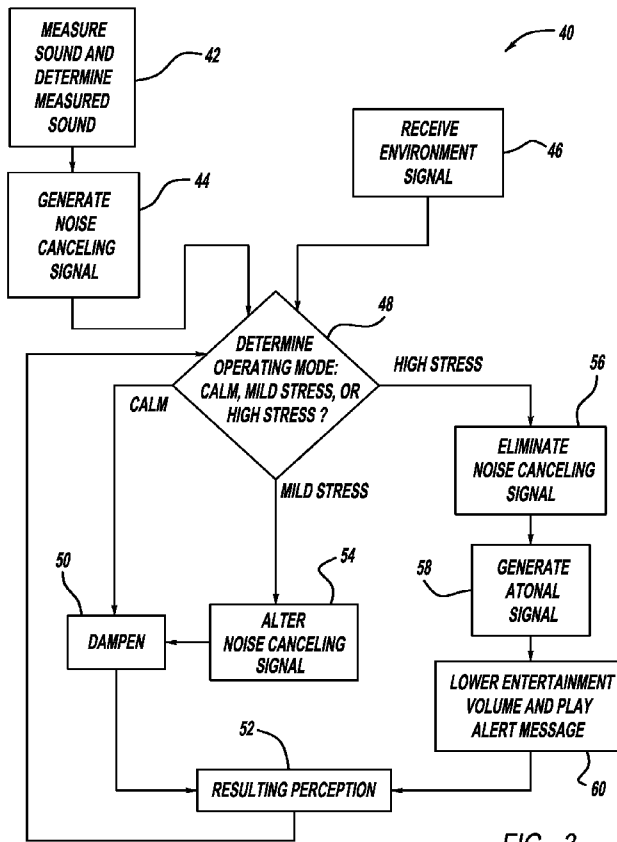
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[Continued on next page]

(54) Title: ACTIVE SOUND CONTROL



(57) Abstract: An apparatus for controlling sound within a vehicle includes an acoustical damping device operable to determine a measured sound. The acoustical damping device is operable to output a noise canceling signal to a vehicle audio system to dampen the measured sound. A sound controller is operably coupled to the acoustical damping device and is configured to automatically receive an environment signal from an environment sensor. The sound controller is configured to determine an operating mode of the vehicle based on the environment signal. The operating mode is selectable from an operating mode list that includes a stress operating mode and a calm operating mode. The sound controller is configured to cause alteration of the noise canceling signal and reduction in damping in the stress operating mode with respect to the calm operating mode.

FIG - 3

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
G10K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 2011/030422 A1 (PIONEER CORP [JP]; KURODA KAZUO [JP]) 17 March 2011 (2011-03-17)	1-3,6, 10,11, 14-20
Y	paragraphs [0010] - [0021], [0025] - [0027], [0031] - [0037], [0039], [0040], [0042] - [0044], [0047] - [0056], [0060], [0063] - [0067], [0069] - [0073]; figures 1,4-10 & US 2012/230504 A1 (KURODA KAZUO [JP]) 13 September 2012 (2012-09-13) paragraphs [0019] - [0030], [0034] - [0036], [0040] - [0046], [0048], [0049], [0051] - [0053], [0056] - [0065], [0069], [0072] - [0076], [0078] - [0082]; figures 1,4-10 ----- -/--	8

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Date of the actual completion of the international search  11 March 2013	Date of mailing of the international search report  15/03/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Bream, Philip
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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