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(71) Applicant: **Nissan Motor Company Limited
Kanagawa-ku
Yokohama-shi, Kanagawa 221-0023 (JP)**
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(72) Inventors:

- Takeuchi, Shinichi
560-2, Okatsukoku
Atsugi-shi Kanagawa 243-0192 (JP)
- Shimada, Hiroshi
560-2, Okatsukoku
Atsugi-shi Kanagawa 243-0192 (JP)
- Sasaoka, Takeharu
560-2, Okatsukoku
Atsugi-shi Kanagawa 243-0192 (JP)

(74) Representative: **Holmes, Matthew William et al
Nissan Motor Manufacturing (UK) Ltd
Intellectual Property Department
Nissan Technical Centre Europe
Cranfield Technology Park
Cranfield, Bedfordshire MK43 0DB (GB)**

(54) Improvements in or Relating to Vehicle Noise

(57) A device (1) for amplifying the suction noise of a vehicle is disclosed. The device (1) comprises an intake duct (10), a connecting pipe (12) and a composite membrane (16). The intake duct (10) is for feeding air to an engine intake port. A connecting pipe (12) is connected to an interior of the intake duct (10). The composite mem-

brane (16) is positioned within the connecting pipe (12). The composite member (16) blocks an interior passage formed in the connecting pipe (12). The composite member (16) further includes at least two elastic membranes with one of masses and rigidities that different from each other. A method is also disclosed.

FIG. 1A

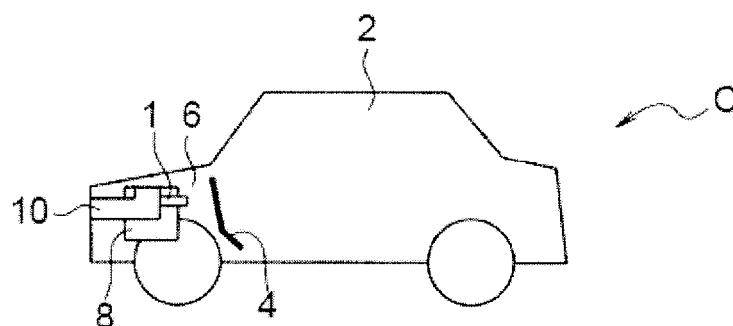


FIG. 1B

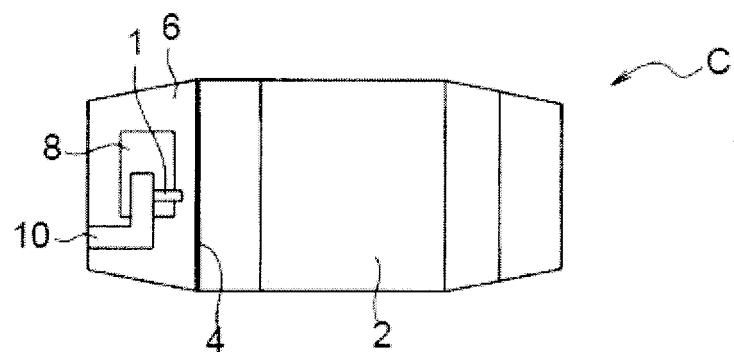
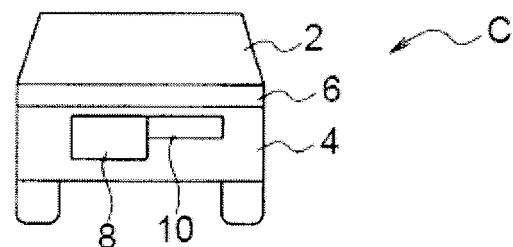


FIG. 1C





EUROPEAN SEARCH REPORT

Application Number
EP 07 10 9532

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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The present search report has been drawn up for all claims			
4	Place of search	Date of completion of the search	Examiner
	Munich	14 November 2008	Payr, Matthias
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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