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(54) **Compressor discharge pulsation dampener**

(57) A pulsation dampener comprising a first resonator tube having a first tube inlet in communication with a compressor outlet. The first resonator tube has an outlet located within a first resonator chamber. The first resonator tube has a length l_1 that is equal to $\lambda_1 / 4$ wherein

λ_1 is the acoustic component wavelength passing through the first resonator tube and the first chamber has a length l_2 that is within 20% of the length l_1 .

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European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 05 25 4751

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	US 5 101 931 A (BLASS JAROSLAV [US] ET AL) 7 April 1992 (1992-04-07) * abstract; figure 2 *	1-19	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F04C F04B F01N
Place of search Munich		Date of completion of the search 13 April 2007	Examiner Descoubes, Pierre
CATEGORY OF CITED DOCUMENTS 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 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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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