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(72) Inventors:
• **Koprowski, Robert**
41-200 Sosnowiec (PL)
• **Wrobel, Zygmunt**
40-871 Katowice (PL)

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(74) Representative: **Maslowski, Andrzej**
Patent and Trade Mark Bureau
Al. W. Korfantego 83
P.O.Box 3644
40-160 Katowice (PL)

(71) Applicant: **Uniwersytet Slaski w Katowicach**
40-007 Katowice (PL)

(54) **Acoustic speakers**

(57) The subject of the invention is an acoustic speaker consisting of the enclosure and speakers: woofer and wideband, characterised in that the enclosure consists of a set of upper chambers (1) separated from each other by partitions and a set of lower chambers (2) separated from each other by partitions, moreover the wideband speaker (7) with the outlet of acoustic wave emission directed parallel to the floor is mounted in the front upper chamber (1a), whereas the woofer (8) with the outlet of acoustic wave emission directed vertically downwards is mounted in the lower chambers (2a) and (2b). Each of the upper chambers is connected to the chamber located below it by a waveguide (4) made of a hollow pipe, whereby the front waveguide (4a) is closed from the bottom a separate space creating with the chamber (1 a), and the remaining waveguides are open from both sides, creating with the following chambers a low-pass acoustic filter. Sets of upper chambers (1) and lower chambers (2) are additionally connected by means of bars (5) and (6) pressing and tightening the whole enclosure, whereby bars (5) are at the same time a metallic conductive connection between the wideband speaker (7) and feeder clamps coming out in the set of lower chambers (2), whereas the bars (6) provide support and stiffening for the whole structure.

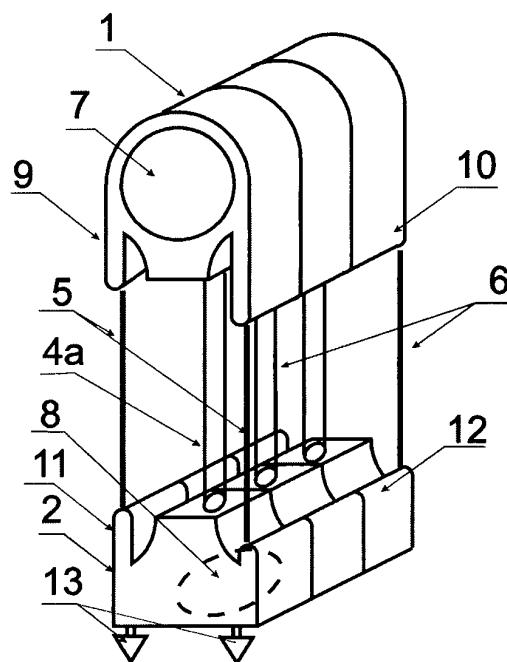


Fig. 2



EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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 6 243 477 B1 (RUIZ ALDO M [US]) 5 June 2001 (2001-06-05) * column 1, line 14 - column 4, line 52; figures 1, 2 *	1-6	
A	FR 2 507 423 A1 (MULIDINE SARL [FR]) 10 December 1982 (1982-12-10) * page 1, line 31 - page 2, line 61; figures 5, 6 *	1-6	TECHNICAL FIELDS SEARCHED (IPC) H04R
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 31 August 2015	Examiner Joder, Cyril
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 46 0090

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82