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(71) Applicant: Speaker electronic (Jiashan) Co., Ltd.  
Zhejiang 314112 (CN)

(72) Inventors:  
• Zhang, Jiansong  
Jiashan, Zhejiang 314112 (CN)  
• Zhao, Huijun  
Jiashan, Zhejiang 314112 (CN)

(74) Representative: Grosse, Rainer, Dipl.-Ing. et al  
Gleiss & Grosse  
Leitzstrasse 45  
70469 Stuttgart (DE)

### (54) A loudspeaker voice coil having a coil fixing mechanism

(57) A loudspeaker voice coil having a coil fixing mechanism comprises a cylindrical voice coil bobbin and a coil. The coil fixing mechanism comprises a groove which is formed alone of a sleeve wrapping around and fixed to the outer wall of the voice coil bobbin, or formed of the sleeve together with the voice coil bobbin, and the coil being wound and fixed therein. This

groove can be formed of the collars formed respectively at the two ends of the sleeve, or alternatively of the collar formed at one end of the sleeve and the collar at the end of the voice coil bobbin attached to the other end of the sleeve. The two ends of the coil are stopped by the collars of the mechanism, which avoids the slackening, and dispersing apart or coming off from the bobbin of the coil despite of high power and high temperature.

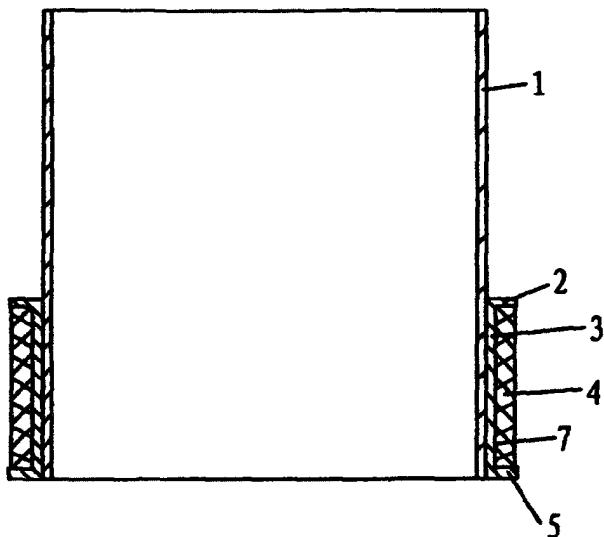


Fig. 1



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Y	FR 713 126 A (PHILIPS NV) 22 October 1931 (1931-10-22) * page 2, line 76 - page 3, line 16; figures 1-4 *	2,3,5							
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Y	US 5 675 885 A (IMAHORI YOSHIO ET AL) 14 October 1997 (1997-10-14) * column 1, line 9 - line 12 * * column 7, line 33 - line 39; figure 3A *	6							
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D,A	US 4 118 605 A (KOBAYASHI FUMIO) 3 October 1978 (1978-10-03) * column 1, line 5 - column 3, line 56; figures 1-6 *	1-6							
A	----- US 5 734 734 A (PRONI LUCIO) 31 March 1998 (1998-03-31) * column 1, line 11 - line 59 * * column 3, line 38 - column 8, line 38; figures 1-9 *	1-6	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04R						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>Munich</td> <td>8 September 2004</td> <td>Peirs, K</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	Munich	8 September 2004	Peirs, K
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Munich	8 September 2004	Peirs, K							
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							
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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