11 Publication number:

0 272 059 A3

(12)

EUROPEAN PATENT APPLICATION

21 Application number: 87310904.5

(51) Int. Cl.5; H04R 9/00 , H04R 7/02

22 Date of filing: 11.12.87

3 Priority: 17.12.86 GB 8630092

Date of publication of application:22.06.88 Bulletin 88/25

Designated Contracting States:
 AT BE CH DE ES FR GB GR IT LI LU NL SE

Date of deferred publication of the search report:21.03.90 Bulletin 90/12

- Applicant: Acoustic Energy Limited 3A, Alexandria Road West Ealing London W13 0NP(GB)
- Inventor: Jones, Philip Keith Glen 48, Tamworth Lane Mitcham Surrey, CR4 1DA(GB)
- Representative: Walter, Douglas Ernest et al HASELTINE LAKE & CO. 28, Southampton Buildings
 London WC2A 1AT(GB)
- Loudspeakers and their production.
- The straight-sided cone or diaphragm (2) of a moving coil loudspeaker is formed wholly or principally from aluminium which is spun substantially to double its tensile strength, the spinning process being conventional and preferably being effected manually (Fig. 1). Most advantageously, the formed cone (2) is hard anodised on both sides to increase rigidity and heat radiation. A loudspeaker in accordance with the invention has approximately two and one third times the sound volume capacity of a conventional loudspeaker of comparable size without producing any detectable sound distortion.

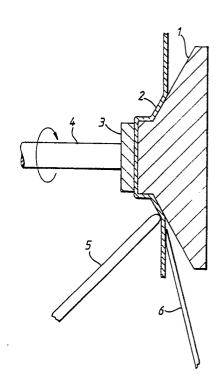


FIG. 1.



EUROPEAN SEARCH REPORT

EP 87 31 0904

Γ	
Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
1-4,6	H 04 R 9/00 H 04 R 7/02
1-4,6	
2,3	
7	
	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
	H 04 R B 21 D
7 A NT	Examiner I P.V.L.
	ZAN7

- 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 filling date
 D: document cited in the application
 L: document cited for other reasons

- & : member of the same patent family, corresponding document