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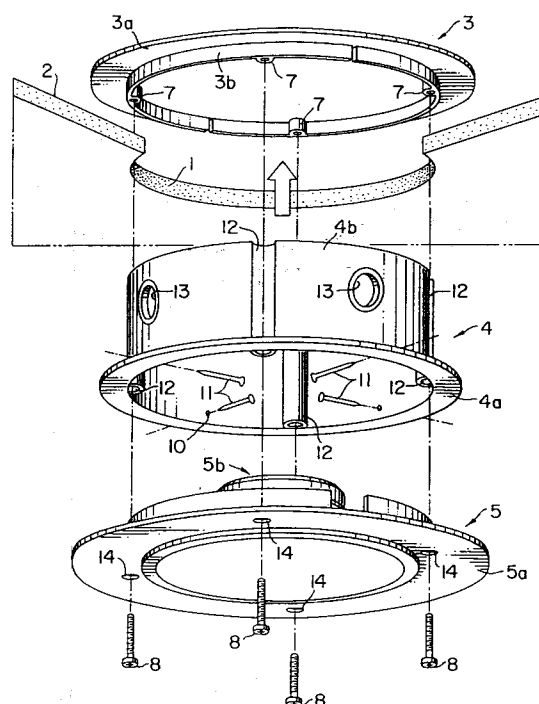
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**14.10.92 Bulletin 92/42**(71) Applicant: **KABUSHIKI KAISHA SEIDENKO**  
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**P.O. Box 40 14 68 Clemensstrasse 30**  
**W-8000 München 40(DE)**(54) **Method of mounting loudspeakers and device therefor.**

(57) A loudspeaker (5) is mounted on the surface board of a ceiling with front and back sides by: forming in the surface board an opening (1) for mounting the speaker (5); preparing an annular back plate (3) of deformable construction and of a size, in undeformed state, greater than the opening size; deforming the back plate into a shape in which it can be passed through the opening; passing the deformed back plate (3) through the opening (1) from the front side to the back side; restoring the back plate to its undeformed state; placing the speaker in mounting position over and in the opening and against the board on its front side; and connecting the speaker (5) and back plate (3) to clamp the board therebetween and thereby to securely mount the speaker. The entire procedure is carried out efficiently from the front side of the surface material, whereby there is no necessity of a separate access to the back side.

**FIG. 1**



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## EUROPEAN SEARCH REPORT

Application Number

EP 91 11 4778

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-4 853 966 (SKRZYCKI) * column 2, line 54 - column 3, line 44 * ---	1, 2, 7, 15	H04R1/02
A	US-A-2 943 137 (VAN WYNGARDEN) * column 1, line 15 - line 18 * * column 2, line 25 - line 37 * * column 2, line 52 - line 62 * * column 3, line 6 - line 16 * * column 3, line 46 - line 63 * ---	1-5, 7, 15	
A	PATENT ABSTRACTS OF JAPAN vol. 11, no. 33 (E-476)3 January 1987 & JP-A-61 201 597 ( MATSUSHITA ) 6 September 1986 * abstract * ---	1, 6	
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 118 (M-806)23 March 1989 & JP-A-63 293 338 ( NOK ) 30 November 1988 * abstract * -----	8-14	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H04R F16F H02G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 AUGUST 1992	Examiner ZANTI P. V. L.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			