

Title (en)  
STEREOPHONIC SOUND REPRODUCTION DEVICE USING SEVERAL LOUDSPEAKERS IN EACH CHANNEL

Title (de)  
STEREOPHONISCHE TONWIEDERGABEVORRICHTUNG MIT MEHREREN LAUTSPRECHERN FÜR JEDEN KANAL

Title (fr)  
DISPOSITIF DE REPRODUCTION SONORE STEREOPHONIQUE UTILISANT UNE PLURALITÉ DE HAUT-PARLEURS DANS CHAQUE CANAL

Publication  
**EP 0645070 B1 19970409 (FR)**

Application  
**EP 93913114 A 19930611**

Priority

- FR 9300558 W 19930611
- FR 9207447 A 19920612

Abstract (en)  
[origin: WO9326134A1] Sound reproduction device including a stereophonic amplifying means (3), based on two, left and right, signals (61?, 62?), from any stereophonic emission source (1), and various loudspeakers (4, 9) disposed in two groups, on the left (9) and on the right (4), of the listening direction, each receiving respectively the amplified left signal (8) and right signal (7). The loudspeaker assembly (4, 9) consists of an even number of loudspeakers, with at least four loudspeakers being located in pairs along vertical or substantially vertical axes (xx'). All the loudspeaker emission sides are placed according to a continuous curved surface (5) and distances in height as well as width between said loudspeakers (4, 9) are determined by the size of the latter and of the listening volume.

IPC 1-7  
**H04S 1/00**; **H04R 5/02**; **H04R 3/12**; **H04R 1/40**

IPC 8 full level  
**H04R 5/02** (2006.01); **H04R 1/40** (2006.01); **H04R 3/12** (2006.01); **H04S 1/00** (2006.01); **H04S 3/00** (2006.01); **H04S 7/00** (2006.01)

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**H04R 1/403** (2013.01 - EP US); **H04R 3/12** (2013.01 - EP US); **H04S 3/00** (2013.01 - EP US)

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**WO 9326134 A1 19931223**; AT E151585 T1 19970415; CA 2137695 A1 19931223; DE 69309679 D1 19970515; DE 69309679 T2 19971023; DK 0645070 T3 19971027; EP 0645070 A1 19950329; EP 0645070 B1 19970409; FR 2692425 A1 19931217; FR 2692425 B1 19970425; JP H08502863 A 19960326; US 5717766 A 19980210

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