

Title (en)
A loudspeaker apparatus.

Title (de)
Lautsprecherapparat.

Title (fr)
Appareil haut-parleur.

Publication
EP 0624049 A3 19950308 (EN)

Application
EP 94106578 A 19940427

Priority
• JP 10230893 A 19930428
• JP 13449393 A 19930604

Abstract (en)
[origin: EP0624049A2] A yoke (96), which has an inner peripheral wall (96b) formed concentrically with an outer peripheral wall (96a), is used in a magnetic circuit of a loudspeaker. A rare earth element magnet ring (98) is disposed between the outer and inner peripheral walls of the yoke (96) so as to form a magnetic gap (99) there. Thus, a compact, light and powerful magnetic circuit is obtained. The magnetic circuit is disposed in front of a diaphragm (103), which reduces the thickness of the loudspeaker. By making the projected area of the magnetic circuit on the diaphragm a half or less of the effective area of the diaphragm, deterioration of the performance properties and the quality of reproduced sounds can be avoided. Moreover, a heat dissipator (110) is provided on the yoke (96) so as to prevent any extraordinary or damaging increase in temperature of a voice coil even when large signals are continuously input to the loudspeaker. As a result, performance properties of the loudspeaker can be stabilized and reliability thereof can be enhanced.

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H04R 9/06; **H04R 9/02**

IPC 8 full level
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CPC (source: EP)
H04R 9/02 (2013.01); **H04R 9/022** (2013.01); **H04R 9/06** (2013.01)

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