

Title (en)
Loudspeaker.

Title (de)
Lautsprecher.

Title (fr)
Haut-parleur.

Publication
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Application
EP 89304569 A 19890505

Priority
GB 8810943 A 19880509

Abstract (en)
[origin: EP0341926A1] A compound loudspeaker drive unit is disclosed comprising a low frequency unit having an outwardly and forwardly flaring conical diaphragm (21) and a high frequency drive unit (27) located in or adjacent to the neck of the low frequency conical diaphragm such that the acoustic centres of the two units are substantially coincident and, for a cross-over frequency range in which both drive units contribute significant sound output, the directivity of sound radiation from the high frequency unit (27) as acoustically loaded by the low frequency conical diaphragm (21) is substantially the same as that of the low frequency unit. A magnet structure (28,29,30) for the high frequency unit utilises a magnet (29) formed of neodymium iron boron which enables the high frequency unit (27) to be positioned within a drive coil (23,24) for the low frequency diaphragm while providing a required high value of magnetic flux.

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H04R 1/24; **H04R 9/00**

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H04R 1/24 (2006.01); **H04R 9/02** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP KR)
H04R 1/24 (2013.01 - EP KR); **H04R 9/02** (2013.01 - EP); **H04R 9/025** (2013.01 - EP)

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EP0581129A1; FR2955447A1; US5426707A; EP1173042A3; CN102484755A; FR2955446A1; CN110830891A; GB2364847A; GB2364847B; FR2955445A1; GB2359213A; GB2359213B; EP0591837A1; US5402503A; US9042594B2; US8989429B2; GB2368484A; GB2368484B; US5729617A; FR2955444A1; CN102907115A; CN102884809A; WO2011086302A1; WO2011086301A1; WO9206569A1; WO2011010254A1; US6792127B1; WO2011051659A2; WO2011086299A1; WO2011086300A1; WO2004080121A1; WO2011086303A1; US9084056B2; US9232301B2

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