

Title (en)
ACOUSTIC TRANSDUCERS

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EP 0091182 A3 19841227 (EN)

Application
EP 83300679 A 19830210

Priority
GB 8209593 A 19820401

Abstract (en)
[origin: EP0091182A2] A loudspeaker includes a high frequency transducer 13 and a low frequency transducer 14 mounted on a vertical baffle 12 forming the front of a cabinet 11, and having respective virtual acoustic sources 1 and 3. Each unit receives an amplified signal through an electrical filter to constitute a passive system, and a delay network is included in the path of the amplified signal to the high frequency unit 13 so as to introduce a delay such that the effective virtual acoustic source of the unit is displaced a distance d1 to the right so as to lie in the same vertical plane as the virtual source 3. The acoustic radiation from the two units thus appears to emanate from points in space situated in the same vertical plane, thereby avoiding time delay and phase distortions over the reproduced frequency band.

IPC 1-7
H04R 1/26; **H04R 3/14**

IPC 8 full level
H04R 3/12 (2006.01); **H04R 1/26** (2006.01); **H04R 3/14** (2006.01)

CPC (source: EP)
H04R 1/26 (2013.01); **H04R 3/14** (2013.01)

Citation (search report)
• [X] FR 2378418 A1 19780818 - RANK ORGANISATION LTD [GB]
• [Y] US 4181819 A 19800101 - CAMMACK KURT B [US]
• [X] JOURNAL OF THE AUDIO ENGINEERING SOCIETY, vol. 28, no. 9, September 1980, pages 601-611, New York, US; D.G. FINK: "Time offset and crossover design"

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0091182 A2 19831012; **EP 0091182 A3 19841227**; GB 2117997 A 19831019; GB 2117997 B 19850522; GB 8303665 D0 19830316; JP S58221593 A 19831223

DOCDB simple family (application)
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