

Title (en)
PANEL-FORM LOUDSPEAKER.

Title (de)
PANEELFÖRMIGER LAUTSPRECHER.

Title (fr)
HAUT-PARLEUR SOUS FORME DE PANNEAU.

Publication
EP 0541646 B1 19950111 (EN)

Application
EP 91914046 A 19910726

Priority
• GB 9101262 W 19910726
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• GB 9017133 A 19900804

Abstract (en)
[origin: GB2262861A] A panel-form loudspeaker has a resonant multi-mode radiator panel which is excited at frequencies above the fundamental frequency and the coincidence frequency of the panel to provide high radiation efficiency through multi-medal motions within the panel, in contrast to the pistonic motions required of conventional loudspeakers. The radiator panel is a skinned composite with a honeycomb or similar core and must be such that it has a ratio of bending stiffness to the third power of panel mass per unit area (in mks units) of at least 10 and preferably at least 100. An aluminium skinned, aluminium honeycomb cored composite can meet this more severe criterion easily. <IMAGE>

IPC 1-7
H04R 7/06; H04R 1/02

IPC 8 full level
G10K 1/066 (2006.01); **H04R 1/00** (2006.01); **H04R 1/02** (2006.01); **H04R 7/04** (2006.01); **H04R 7/06** (2006.01); **H04R 7/08** (2006.01); **H04R 9/00** (2006.01)

CPC (source: EP)
G10K 1/066 (2013.01); **H04R 1/025** (2013.01); **H04R 7/045** (2013.01); **H04R 7/06** (2013.01)

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