

Title (en)
LOUDSPEAKER WITH A MULTIPLE PATH DIAPHRAGM

Publication
EP 0022937 B1 19831026 (DE)

Application
EP 80103523 A 19800624

Priority
DE 2927848 A 19790710

Abstract (en)
[origin: EP0022937A1] 1. Loudspeaker with multiway diaphragm which - is suspended from the front edge of a loudspeaker basket (chassis) (13) by means of the spring (9), - is driven by a moving coil (14), - is composed of concentric diaphragm elements (4, 5, 6) which are themselves connected to each other by means of the spring couplings (7, 8), - in which the various spring-mass-elements (4, 5, 6, 7, 8, 9) are connected - similar to a mechanical loudspeaker-dividing network - in such a way that with high frequencies only the high-frequency diaphragm element (4) will oscillate, whereas with lower frequencies those diaphragm elements lying further on the outside (5, 6) will be coupled into the oscillation, characterized by - an arrangement of multiway springs (1, 2, 3, 10, 11, 12) - suspended from the back of the loudspeaker basket (13) - its spring couplings (10, 11, 12) being mounted coplonar - and between the spring couplings (10, 11, 12) of which supports (1, 2, 3) are fitted, which are rigidly connected to the corresponding diaphragm elements (4, 5, 6) (ill. 1, 2).

IPC 1-7
H04R 7/06; H04R 7/12; H04R 3/00; H04R 7/20

IPC 8 full level
H04R 7/06 (2006.01); **H04R 7/12** (2006.01); **H04R 7/20** (2006.01)

CPC (source: EP)
H04R 7/06 (2013.01); **H04R 7/122** (2013.01); **H04R 7/20** (2013.01)

Cited by
DE3733000A1; EP1119219A3

Designated contracting state (EPC)
BE FR GB IT NL SE

DOCDB simple family (publication)
EP 0022937 A1 19810128; **EP 0022937 B1 19831026**; DE 2927848 A1 19810430; DE 2927848 C2 19820519

DOCDB simple family (application)
EP 80103523 A 19800624; DE 2927848 A 19790710