Publication
EP 0525400 A3 19940105

Application
EP 92110869 A 19920626

Priority
DE 9109452 U 19910731

Abstract (en)
[origin: EP0525400A2] To stabilise cone loudspeakers, it is proposed to bond the underside (20) of the diaphragm (12) by means of a stabilising element (19) bonded to the voice coil carrier (14). This triangular design alone already produces adequate stabilisation of the diaphragm. If, in addition, the underside (20) of the diaphragm (12) is supported by the stabilising element (19) at a location at which the first radial vibration node occurs, early decoupling of the outer diaphragm areas is prevented. <IMAGE>

IPC 1-7
H04R 7/12; H04R 7/24; H04R 7/26

IPC 8 full level
H04R 7/16 (2006.01); **H04R 7/12** (2006.01); **H04R 7/24** (2006.01); **H04R 7/26** (2006.01); **H04R 9/02** (2006.01); **H04R 9/04** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP US)
H04R 7/12 (2013.01 - EP US); **H04R 7/24** (2013.01 - EP US)

Citation (search report)
- [A] GB 378986 A 19320825 - FRED UMPLEBY
- [A] GB 440041 A 19351219 - ROBERT RODGER GLEN
- [A] DE 3929266 C1 19910103
- [PX] DE 9109452 U1 19911017

Designated contracting state (EPC)
BE DE DK FR GB IT SE

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DE 9109452 U1 19911017; CZ 236592 A3 19930217; CZ 281054 B6 19960612; DE 59201179 D1 19950223; DK 0525400 T3 19950424; EP 0525400 A2 19930203; EP 0525400 A3 19940105; EP 0525400 B1 19950111; JP H05268694 A 19931015; PL 54120 Y1 19960531; US 5323469 A 19940621

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