

Title (en)  
Loudspeaker diaphragm attaching

Title (de)  
Lautsprechermembranbefestigung

Title (fr)  
Fixation de membrane pour haut-parleur

Publication  
**EP 0642291 B1 20020213 (EN)**

Application  
**EP 94305330 A 19940720**

Priority  
US 10237893 A 19930805

Abstract (en)  
[origin: EP0642291A2] A loudspeaker includes a diaphragm having a neck with an annular edge (21), a voicecoil former (14) having an annular edge, and a spider (10). The annular edge (21) of the neck and the annular edge of the voicecoil former (14) are connected together in an annular groove structure (11) in fixed relationship to the spider (10). <IMAGE>

IPC 1-7  
**H04R 7/16**

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

CPC (source: EP)  
**H04R 7/16** (2013.01)

Cited by  
FR2818083A1; US8180097B2; US9445201B2; WO2019121072A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0642291 A2 19950308; EP 0642291 A3 19960131; EP 0642291 B1 20020213**; DE 69429843 D1 20020321; DE 69429843 T2 20020808; JP 3411400 B2 20030526; JP H07154895 A 19950616

DOCDB simple family (application)  
**EP 94305330 A 19940720**; DE 69429843 T 19940720; JP 18206794 A 19940803