

Title (en)
Loudspeaker

Title (de)
Lautsprecher

Title (fr)
Haut-parleur

Publication
EP 0685982 B1 20000209 (DE)

Application
EP 95107544 A 19950518

Priority
DE 4419251 A 19940601

Abstract (en)
[origin: EP0685982A2] The loudspeaker (10), for providing tone signals, has a metal loudspeaker membrane (12), attached to a loudspeaker basket (11) via a metal foil rim (15). The connections between the surface of the loudspeaker basket and the rim and between the rim and the loudspeaker membrane are provided by ultrasonic welding. Pref. the metal rim is made of a Cu-Be alloy and it pref. has at least one corrugation formed in its surface, for accommodating heat expansion movement of the loudspeaker membrane relative to the loudspeaker basket. <IMAGE>

IPC 1-7
H04R 9/02; **H04R 7/18**

IPC 8 full level
B23K 20/10 (2006.01); **H04R 7/18** (2006.01); **H04R 7/20** (2006.01); **H04R 9/02** (2006.01); **H04R 9/04** (2006.01)

CPC (source: EP)
H04R 7/20 (2013.01); **H04R 9/043** (2013.01); **H04R 2307/207** (2013.01)

Cited by
US6567528B1; WO0137607A3; WO2006055801A3

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

DOCDB simple family (publication)
EP 0685982 A2 19951206; **EP 0685982 A3 19960605**; **EP 0685982 B1 20000209**; AT E189759 T1 20000215; DE 4419251 A1 19951207; DE 59507766 D1 20000316; JP H0851691 A 19960220

DOCDB simple family (application)
EP 95107544 A 19950518; AT 95107544 T 19950518; DE 4419251 A 19940601; DE 59507766 T 19950518; JP 13384395 A 19950531