

Title (en)

Method for producing a diaphragm for an electroacoustic transducer

Title (de)

Verfahren zur Herstellung einer Membrane für einen elektroakustischen Wandler

Title (fr)

Procédé de fabrication d'un diaphragme pour transducteur électro-acoustique

Publication

EP 0814637 A3 20040915 (DE)

Application

EP 97890105 A 19970618

Priority

AT 108596 A 19960619

Abstract (en)

[origin: EP0814637A2] The membrane manufacture procedure provides areas of reduced thickness in a deformable thermoplastics material of constant thickness by clamping the inner areas (8) which are to remain at the initial thickness and the periphery of the membrane via respective fixing devices (6,6'; 7,7'). The intermediate parts (9) of the membrane are reduced in thickness by applied tensile force and heat. The obtained membrane is then positioned in a stamping mould for providing a shaped membrane with a raised central area, enclosed by an annular raised area and a flat peripheral lip.

IPC 1-7

H04R 31/00

IPC 8 full level

B29C 51/18 (2006.01); **B29C 55/02** (2006.01); **H04R 7/02** (2006.01); **H04R 7/12** (2006.01); **H04R 31/00** (2006.01); **B29L 31/38** (2006.01); **H04R 5/033** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP US)

H04R 31/003 (2013.01 - EP US); **H04R 5/033** (2013.01 - EP US); **H04R 9/06** (2013.01 - EP US); **H04R 2307/029** (2013.01 - EP US); **Y10T 29/49005** (2015.01 - EP US); **Y10T 29/4908** (2015.01 - EP US)

Citation (search report)

- [A] GB 1277023 A 19720607 - EMI LTD
- [A] DE 2238831 A1 19730222 - SHELL INT RESEARCH

Cited by

EP1207719A3; CN102868959A; EP1207719A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0814637 A2 19971229; **EP 0814637 A3 20040915**; **EP 0814637 B1 20051109**; AT 403751 B 19980525; AT A108596 A 19970915; AT E309686 T1 20051115; DE 59712472 D1 20051215; DK 0814637 T3 20060320; JP 3927651 B2 20070613; JP H1070794 A 19980310; US 6185809 B1 20010213

DOCDB simple family (application)

EP 97890105 A 19970618; AT 108596 A 19960619; AT 97890105 T 19970618; DE 59712472 T 19970618; DK 97890105 T 19970618; JP 16085297 A 19970618; US 87891997 A 19970619