

Title (en)
MULTILAYER FILM FOR LOUDSPEAKER MEMBRANES

Publication
EP 0295494 A3 19900718 (DE)

Application
EP 88108730 A 19880601

Priority
DE 3719879 A 19870613

Abstract (en)
[origin: EP0295494A2] Multi-layer films of a thickness of 0.05 to 0.7 mm, comprising a 0.02 to 0.6 mm thick thermoplastic film or metallic foil having a modulus of elasticity of 1,000 to 200,000 MPa, a 0.01 to 0.03 mm thick film of thermoplastically processible material having a mechanical loss factor tan delta in the temperature range -40 to +200 DEG C of between $10^{<-><2>}$ and $10^{<1>}$ and a 0.05 to 0.1 mm thick thermoplastic sealing layer, the mechanical loss factor tan delta of which in the temperature range -40 to 200 DEG C lies between $10^{<-><2>}$ and $10^{<2>}$, as well as its use for the production of loud speaker membranes or cones.

IPC 1-7
H04R 7/10; **H04R 7/12**; **H04R 7/02**; **B32B 7/02**

IPC 8 full level
B32B 15/08 (2006.01); **H04R 7/02** (2006.01); **H04R 7/10** (2006.01); **H04R 7/12** (2006.01)

CPC (source: EP)
H04R 7/02 (2013.01); **H04R 7/10** (2013.01); **H04R 7/125** (2013.01); **H04R 2307/029** (2013.01)

Citation (search report)
• [X] EP 0183516 A2 19860604 - POLYPLASTICS CO [JP]
• [A] GB 1435588 A 19760512 - MITSUI PETROCHEMICAL IND
• [A] FR 2345048 A1 19771014 - HARWOOD HUGH [GB]

Cited by
CN113411738A; CN113411737A; CN114502376A; EP0475220A3; US5219643A; EP0391189A3; US4970108A; WO2021186277A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0295494 A2 19881221; **EP 0295494 A3 19900718**; DE 3719879 A1 19881229; JP S645300 A 19890110

DOCDB simple family (application)
EP 88108730 A 19880601; DE 3719879 A 19870613; JP 14187488 A 19880610