

Title (en)

SOUND-INSULATING MATERIAL AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

SCHALLISOLIERENDES MATERIAL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

MATERIAU INSONORISANT ET SON PROCEDE DE PRODUCTION

Publication

EP 1528974 A1 20050511 (DE)

Application

EP 03793726 A 20030811

Priority

- DE 10237366 A 20020813
- EP 0308905 W 20030811

Abstract (en)

[origin: DE10237366A1] A noise insulating material (1) especially for automobiles, prepared from rubber and PUR-plastic, where the rubber (12) and PUR plastic (13) are mixed together, rubber (12) forming a matrix in which a number of gas-filled elastic hollow bodies (14) are embedded is new. An Independent claim is included for a process for preparation of the noise insulating material (SIM). The thermoplastic rubber particles and PUR plastic particles are extruded to give a foam-like mixed material, where a propellant is added containing microhollow bodies (14), with a shell consisting of mixed polymer and the material is expanded under heat.

IPC 1-7

B29B 17/00; **B29C 70/66**; **B29B 7/88**

IPC 8 full level

B29B 7/88 (2006.01); **B29B 17/00** (2006.01); **B29C 44/50** (2006.01); **B29C 70/66** (2006.01); **C08J 9/32** (2006.01); **C08L 75/04** (2006.01); **G10K 11/16** (2006.01)

CPC (source: EP US)

B29B 17/0042 (2013.01 - EP US); **B29C 44/027** (2013.01 - EP US); **C08J 9/0061** (2013.01 - EP US); **C08J 9/32** (2013.01 - EP US); **C08L 19/003** (2013.01 - EP US); **C08L 21/00** (2013.01 - EP US); **C08L 23/16** (2013.01 - EP US); **G10K 11/165** (2013.01 - EP US); **B29C 44/206** (2013.01 - EP US); **B29K 2021/00** (2013.01 - EP US); **B29K 2075/00** (2013.01 - EP US); **B29K 2995/0002** (2013.01 - EP US); **C08J 2300/30** (2013.01 - EP US); **C08J 2321/00** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP US); **C08J 2475/00** (2013.01 - EP US); **C08L 75/04** (2013.01 - EP US); **Y02W 30/62** (2015.05 - EP US)

C-Set (source: EP US)

1. **C08L 19/003 + C08L 2666/14**
2. **C08L 21/00 + C08L 2666/14**
3. **C08L 23/16 + C08L 2666/20**
4. **C08L 21/00 + C08L 75/04**
5. **C08L 19/003 + C08L 75/04**

Citation (search report)

See references of WO 2004022298A1

Designated contracting state (EPC)

DE ES FR GB SK

DOCDB simple family (publication)

DE 10237366 A1 20040226; AU 2003266273 A1 20040329; EP 1528974 A1 20050511; JP 2006501323 A 20060112; MX PA05001547 A 20050505; US 2006052474 A1 20060309; WO 2004022298 A1 20040318

DOCDB simple family (application)

DE 10237366 A 20020813; AU 2003266273 A 20030811; EP 0308905 W 20030811; EP 03793726 A 20030811; JP 2004533363 A 20030811; MX PA05001547 A 20030811; US 52366305 A 20050204