

Title (en)

LOW PERMEABILITY AIRBAG CUSHIONS HAVING FILM COATINGS OF EXTREMELY LOW THICKNESS

Title (de)

LUFTKISSEN MIT NIEDRIGER DURCHLÄSSIGKEIT UND SEHR GERINGER FILMBESCHICHTUNGSDICKE

Title (fr)

COUSSINS GONFLABLES A FAIBLE PERMEABILITE REVETUS D'UN TISSU D'UNE EXTREME FINESSE

Publication

EP 1119471 A1 20010801 (EN)

Application

EP 00941468 A 20000615

Priority

- US 0016566 W 20000615
- US 33525799 A 19990617
- US 35062099 A 19990709
- US 50146700 A 20000209
- US 55764300 A 20000425

Abstract (en)

[origin: WO0078578A1] Coated inflatable fabrics (26), more particularly airbags to which very low add-on amounts of coating have been applied, are provided which exhibit extremely low air permeabilities. The fabrics are primarily for use in automotive restraint cushions which require low permeability characteristics (such as side curtain airbags). The fabric utilizes an inexpensive, very thin coating to provide such necessary low permeability levels. Thus, the inventive coated airbag possesses a coating of at most 2.5 ounces per square yard, most preferably about 0.8 ounces per square yard, and exhibits a leak-down time of at least 7 seconds. All coatings, in particular elastomeric, nonsilicon coatings, and coated airbags, meeting these criteria are intended to reside within the scope of this invention.

IPC 1-7

B60R 21/16; B29D 22/00

IPC 8 full level

B60R 21/16 (2006.01); **B32B 27/00** (2006.01); **B32B 27/12** (2006.01); **B32B 27/40** (2006.01); **B60R 21/235** (2006.01); **D06N 3/14** (2006.01); **D06N 3/18** (2006.01); B60R 21/232 (2011.01)

CPC (source: EP US)

B32B 27/12 (2013.01 - EP US); **B32B 27/40** (2013.01 - EP US); **B60R 21/235** (2013.01 - EP); **D06N 3/14** (2013.01 - EP); **D06N 3/183** (2013.01 - EP); **D06N 3/186** (2013.01 - EP); **B32B 2262/0261** (2013.01 - US); **B32B 2375/00** (2013.01 - US); **B32B 2571/00** (2013.01 - US); **B32B 2605/08** (2013.01 - US); **B60R 21/232** (2013.01 - EP); **B60R 2021/23514** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0078578 A1 20001228; AU 5617400 A 20010109; BR 0006932 A 20010626; CA 2340939 A1 20001228; CN 1159179 C 20040728; CN 1320090 A 20011031; EP 1119471 A1 20010801; EP 1119471 A4 20110427; JP 2003513841 A 20030415; JP 4657547 B2 20110323; MX PA01001743 A 20040607

DOCDB simple family (application)

US 0016566 W 20000615; AU 5617400 A 20000615; BR 0006932 A 20000615; CA 2340939 A 20000615; CN 00801701 A 20000615; EP 00941468 A 20000615; JP 2001504761 A 20000615; MX PA01001743 A 20010216