

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  
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Application  
**EP 00941468 A 20000615**

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- 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.

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Citation (search report)

- [A] US 5110666 A 19920505 - MENZEL JILL R [US], et al
- See references of WO 0078578A1

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