

Title (en)
INFLATABLE OBJECT PROVIDED WITH A GAS-TIGHT LAYER CONTAINING A THERMOPLASTIC ELASTOMER AND A HYDROCARBON-BASED RESIN

Title (de)
AUFBLASBARER GEGENSTAND MIT GASUNDURCHLÄSSIGER SCHICHT MIT EINEM THERMOPLASTISCHEN ELASTOMER UND EINEM HARZ AUF KOHLENWASSERSTOFFBASIS

Title (fr)
OBJET PNEUMATIQUE POURVU D'UNE COUCHE ÉTANCHE AUX GAZ A BASE D'UN ÉLASTOMÈRE THERMOPLASTIQUE ET D'UNE RÉSINE HYDROCARBONÉE

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Application
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Abstract (en)
[origin: WO2011131560A1] An inflatable object provided with an inflating gas-tight layer, having improved hysteresis and improved leak sealing; said layer comprises an elastomer composition comprising at least, as sole elastomer or as majority elastomer by weight, one thermoplastic elastomer ("TPE") and a hydrocarbon-based resin, of which the glass transition temperature of the hydrocarbon-based resin is above 0°C. The TPE elastomer is a copolymer comprising at least one polyisobutylene central block and the composition optionally also comprises an elastomer extender oil. According to another optional embodiment, the composition also comprises a lamellar filler in particular selected from graphites and phyllosilicates, such as micas, clays or talcs. The inflatable object of the invention is in particular an inner tube or an inflatable tyre for a motor vehicle.

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Citation (examination)
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