

Title (en)  
PLASMA TREATMENT PROCESS OF ANTIBALLISTIC MATERIALS

Title (de)  
VERFAHREN ZUR PLASMABEHANDLUNG VON ANTIBALLISTISCH WIRKSAMEN MATERIALIEN

Title (fr)  
PROCEDE DE TRAITEMENT AU PLASMA DE MATERIAUX A ACTION ANTIBALISTIQUE

Publication  
**EP 0663968 B1 19961030 (DE)**

Application  
**EP 94924840 A 19940803**

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Abstract (en)  
[origin: WO9504854A2] A plasma treatment process in two steps is disclosed for antiballistic materials, such as aromatic polyamides. In the first step, a plasma treatment is applied with at least 50 % inorganic gas or a mixture of inorganic gasses and in the second step a plasma treatment is applied with a water-proofing organic gas or with mixtures of such gasses from the group of the saturated hydrocarbons, unsaturated hydrocarbons, saturated fluorohydrocarbons, unsaturated fluorohydrocarbons, siloxanes or vinyl compounds. In the second step a mixture of one or several inorganic gasses with one or several water-proofing organic gasses may also be used. This process improves the antiballistic properties.

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