

Title (en)
ELEMENT OF AN ENGINE COMPARTMENT OF A MOTOR VEHICLE AND METHOD OF PROTECTING THE ELEMENT AGAINST CHEMICAL ATTACKS FROM A METAL HALIDE

Title (de)
ELEMENT EINES MOTORRAUM EINES KRAFTFAHRZEUGS UND VERFAHREN ZUM SCHUTZ DES ELEMENTS GEGEN CHEMISCHE ANGRIFFE VON EINEM METALLHALOGENID

Title (fr)
ÉLÉMENT D'UN COMPARTIMENT MOTEUR D'UN VÉHICULE AUTOMOBILE ET PROCÉDÉ DE PROTECTION DE L'ÉLÉMENT CONTRE DES AGRESSIONS CHIMIQUES D'UN HALOGENURE MÉTALLIQUE

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Abstract (en)
[origin: WO2015092158A1] The present invention relates to an element of an engine compartment of a motor vehicle in which at least one outer layer of the wall includes a thermoplastic composition made of at least one polyamide, and to a method of protecting said element against chemical attacks from a metal halide. Said element (1), which has a single-layer or multi-layer outer wall, the wall or at least one outer layer of the wall including a thermoplastic composition made of at least one polyamide comprising at least one polymer chain with two ends including end functional groups, is such that said at least one polyamide is selected from the group made up of PA 6, PA 6.6 and the mixtures thereof, and the composition includes the product of the reaction, preferably by reactive extrusion, of at least one bifunctional or multifunctional chain-lengthening compound with at least some of said functional groups, the element being capable of withstanding extended contact with a metal halide of an alkaline, alkaline-earth or transition metal without breaking.

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