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(54) **ACOUSTIC PROTECTION COVER FOR ENCAPSULATING A MOTOR VEHICLE COMPONENT**

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See application file for complete search history.

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(57) **ABSTRACT**

An acoustic protection cover for encapsulating a motor vehicle component, the cover including: a based on injection-molding material, the material comprising a thermo-plastic matrix and a filler that is dispersed in such a way as to exhibit a density of between 1.3 and 1.6, the shell comprising two half-shells delimited by a thin region originating from the molding and forming a flexible hinge; a layer of elastically compressible foam overmolding the internal face of the shell, so that the cover forms an insulation system of the “mass-spring” type, the mass being formed by the shell and the spring by the layer; a means of holding the half-shells together once the hinge has been folded, so as to allow the component to be encapsulated, the

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