

Title (en)
COMPOSITE MATERIAL CONTAINING A CORE-COVERING-PARTICLE

Title (de)
VERBUNDMATERIAL ENTHALTEND KERN-MANTEL-PARTIKEL

Title (fr)
MATERIAU COMPOSITE CONTENANT DES PARTICULES DE NOYAU ET DES PARTICULES D'ENVELOPPE

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Application
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Abstract (en)
[origin: CA2489720A1] The invention relates to composite materials having an optical effect, containing at least one moulded body which is essentially made of core- covering particles. The covering thereof forms a matrix and the core thereof is essentially solid and has an essentially monodisperse size distribution. There is a difference between the refractive indices of the core material and the covering material and at least one further material which determines the mechanical properties of the composite. The invention also relates to a method for producing composite materials. The inventive materials have a colouring effect, according to the observation angle, and freely adjustable mechanical properties.

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