

Title (en)
AEROGEL-CONTAINING INSULATION LAYER

Title (de)
AEROGEL-HALTIGE ISOLATIONSSCHICHT

Title (fr)
COUCHE D'ISOLATION COMPORTANT UN AÉROGEL

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Application
EP 21739281 A 20210623

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Abstract (en)
[origin: WO2022012887A1] The invention relates to a method for applying at least one aerogel-containing insulation layer (20) to an article (10), wherein the insulation layer (20) comprises: aerogel particles (22); and at least one binder (24, 34), the method comprising the steps of: providing the article (10) to be coated; mixing (S100) the aerogel particles (22) with the particles of a powdery binder (24) and/or a powdery solid material (32), such as expanded glass, to form a particle mixture (26); applying (S200) the particle mixture (26) to the article to be coated by scattering, blowing or sucking the particle mixture (26) onto or against the article (10) to be coated; and activating (S400a-g) the at least one binder (24, 34) of the at least one insulation layer (20) in order to provide a compound of the particle mixture (26) with the article (10), wherein the aerogel particles (22) are contained in the particle mixture (26) in a proportion of 5 to 95 wt.% of the particle mixture (26). The invention also relates to a method for improving the handling of aerogel particles (22) in order to be able to apply them, for example, by applying at least one aerogel-containing insulation layer (20) on an article (10) to the article by scattering, blowing or sucking onto the particle (10), wherein the aerogel particles (22) are mixed (S100), prior to the step of application (S200), with a powdery binder (24) and/or a powdery solid material (32), such as expanded glass, to form a particle mixture (26) in order to improve the handling of the aerogel particles (22).

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