

Title (en)

MULTI-LAYER THERMAL-REGULATING SURFACE COATING AND RELATED METHODS

Title (de)

MEHRSCHICHTIGE WÄRMEREGULIERENDE OBERFLÄCHENBESCHICHTUNG UND ZUGEHÖRIGE VERFAHREN

Title (fr)

REVÊTEMENT DE SURFACE À RÉGULATION THERMIQUE MULTICOUCHE ET PROCÉDÉS ASSOCIÉS

Publication

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Application

EP 21898809 A 20211026

Priority

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Abstract (en)

[origin: WO2022115032A1] A multi-layer thermal-regulating surface coating and a method for fabricating a multi-layer thermal-regulating surface coating are provided. The multi-layer thermal-regulating surface coating includes an outer layer. The outer layer includes a material having a porous structure. In a dry state, a first refractive index of the material mismatches a second refractive index of air in pores of the porous structure to exhibit a first solar transmittance and in a wet state, the first refractive index of the material matches a third refractive index of water in the pores of the porous structure to exhibit a second solar transmittance.

IPC 8 full level

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