

Title (en)

ELEMENT WITH ELECTRICALLY CONTROLLABLE SURFACE EMISSIVITY FOR INFRARED RADIATION

Title (de)

ELEMENT MIT ELEKTRISCH EINSTELLBARER OBERFLÄCHENEMISSIVITÄT FÜR INFRAROTSTRAHLUNG

Title (fr)

ELEMENT A EMISSIVITE DE SURFACE REGLABLE POUR LE RAYONNEMENT INFRAROUGE

Publication

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Application

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Abstract (en)

[origin: DE19840183C1] The invention relates to an element with electrically controllable surface emissivity for infrared radiation at wavelengths of between 1 μm and 30 μm , which consists of the following layers: a front substrate (6) transparent to infrared radiation; a functional layer (5) whose reflectivity for infrared radiation can be modified by the incorporation of hydrogen; an anhydrous, infrared-absorbing proton-conducting layer (4); a hydrogen storage layer (3); and an electrode layer (2).

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