

Title (en)

CARRIER WITH POROUS VACUUM COATING

Title (de)

TRÄGER MIT PORÖSER VAKUUMBESCHICHTUNG

Title (fr)

SUPPORT DOTE D UN REVETEMENT POREUX DEPOSE SOUS VIDE

Publication

EP 1945830 A1 20080723 (EN)

Application

EP 06806635 A 20061031

Priority

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Abstract (en)

[origin: WO2007054229A1] The invention provides a product and methods of its manufacture, which result in coated plastic or metal films or inorganic fabrics, comprising a vacuum deposited inorganic outer layer of from 40 to 1000 nm thickness with a porosity of from 10 to 70% increasing towards the coating surface, wherein the open pore surface is up to 1000 times the geometric surface of the film. The pores are formed in a subsequent step either by eluting a soluble component, or by evaporating a volatile component at an elevated temperature, from a deposited mixed layer. A further non-porous vacuum deposited layer between the carrier and the porous layer may be provided to increase the bonding of the porous layer to the film.

IPC 8 full level

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Citation (search report)

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