

Title (en)

POROUS STRUCTURES USEFUL AS BIPOLAR PLATES AND METHODS FOR PREPARING SAME

Title (de)

PORÖSE STRUKTUREN DIE ALS BIPOLARPLATTEN VERWENDET WERDEN KÖNNEN, UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

STRUCTURES POREUSES UTILISABLES EN TANT QUE PLAQUES BIPOLAIRES ET PROCEDES DE PREPARATIONS DE TELLES STRUCTURES POREUSES

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Application

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Abstract (en)

[origin: WO2005013398A2] The invention concerns a porous structure characterized in that it comprises a porous carbon fabric matrix (15), said porous matrix being delimited at one of its surfaces (17, 21) by a sealing layer (19, 23) made of an element selected among carbon fibers, carbon nanotubes, glassy carbon, said sealing layer being bound to the porous matrix by carbon-carbon bonds. The invention also concerns a method for making such porous structures. The invention is applicable to fuel cells and heat exchangers.

IPC 1-7

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IPC 8 full level

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