

Title (en)  
PROCESS FOR MANUFACTURING A MULTILAYER MEMBRANE ON A SOLID SUPPORT USING AN AMPHIPHILIC BLOCK COPOLYMER

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES MEHRSCICHTIGEN MEMBRAN AUF EINEM FESTEN TRÄGER MIT EINEM AMPHIPHILEN BLOCKCOPOLYMER

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE MEMBRANE MULTICOUCHE SUR SUPPORT SOLIDE À BASE DE COPOLYMÈRE À BLOCS AMPHIPHILE

Publication  
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Application  
**EP 18701512 A 20180103**

Priority  
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Abstract (en)  
[origin: WO2018127656A1] The invention relates to a process for manufacturing a membrane (16) from an amphiphilic block copolymer (20) comprising a hydrophilic block (21) and a hydrophobic block (22). This process comprises successive steps of immersing a support (10) comprising functions capable of forming a bond with the hydrophilic block (21) in a bath (11) containing the copolymer in solution in an apolar organic solvent, for a sufficient time to enable the formation of non-covalent bonds between the hydrophilic block (21) and the support (10) and the immobilization of a first layer of the copolymer on the surface of the support; followed by adding (13) water to the bath (11), so as to give rise to the self-assembly of a second layer of copolymer on the first layer.

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