

Title (en)
NON-WOVEN FABRIC LAMINATE

Title (de)
VLIESSTOFFLAMINAT

Title (fr)
LAMELLE TEXTILE NON TISSE

Publication
EP 0991804 A1 20000412 (EN)

Application
EP 98925860 A 19980608

Priority
• GB 9801671 W 19980608
• GB 9712692 A 19970618

Abstract (en)
[origin: WO9858111A1] A laminate suitable for use as an electrode separator in an electrochemical device is formed from first and second non-woven fabrics which each comprise fibres of a hydrophobic polymeric material. The first fabric is formed from spun fibres and the second fabric is a melt-blown fabric. The fibres of the fabrics have undergone a copolymerisation reaction with a vinyl monomer which is capable of reacting with an acid or a base to form a salt directly or indirectly such as acrylic acid. The reaction involves exposure of the laminate to ultraviolet radiation while impregnated with a solution of the vinyl monomer, and results in grafting of the vinyl monomer to the surfaces of the fibres.

IPC 1-7
D04H 13/00; **B32B 5/28**; **B32B 5/26**

IPC 8 full level
B32B 5/28 (2006.01); **D04H 13/00** (2006.01); **D06M 14/28** (2006.01); **D06M 15/263** (2006.01); **H01M 50/417** (2021.01); **H01M 50/457** (2021.01); **H01M 50/489** (2021.01); **H01M 50/494** (2021.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 9858111A1

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