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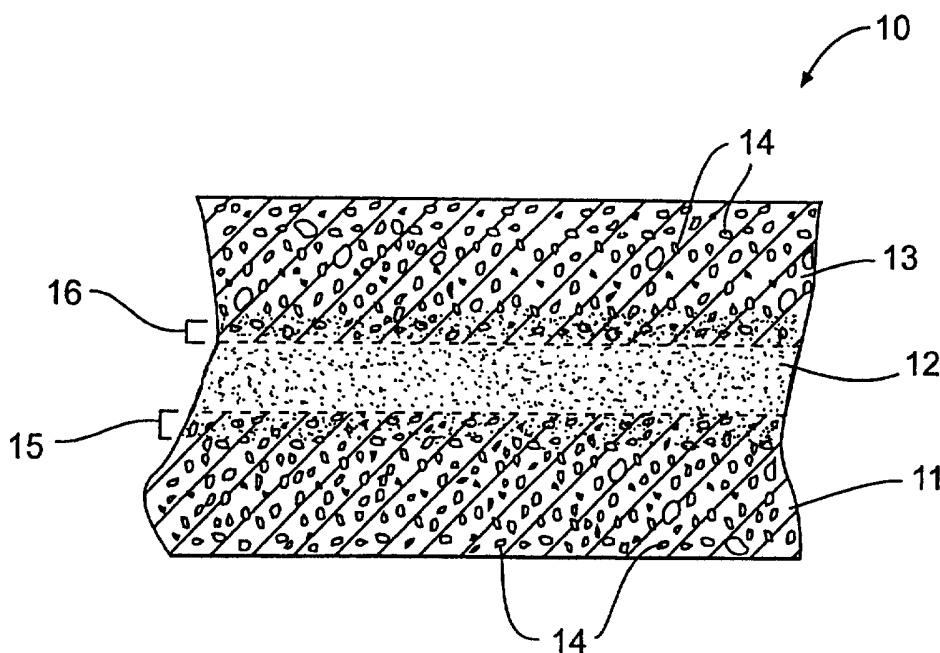
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(54) Title: COMPOSITE MATERIAL AND CURRENT COLLECTOR FOR BATTERY



(57) Abstract: A composite material (10) including two sheets of carbon foam (11, 13) laminated together using a bonding material (12), which may permeate pores (14) of both sheets of carbon foam. The bonding material may include an insulating material or a conductive material. The composite material can be configured to serve as a current collector (20) for battery (100). To form the positive and negative plates of a battery, chemically active paste is disposed on the composite current collector. The carbon foam composite material resists corrosion and exhibits a large amount of surface area.



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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DAVIS B.K. ET AL.: "ELECTROCHEMICAL CHARACTERIZATION OF A MICROCELLULAR CARBON FOAM / EPOXY COMPOSITE ELECTRODE" ANALYTICAL CHEMISTRY, vol. 62, no. 10, 15 May 1990 (1990-05-15), pages 1000-1003, XP000163056 ISSN: 0003-2700 the whole document	1-10
Y	WO 95/06002 A (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 2 March 1995 (1995-03-02) P. 2, line 7 - P. 3, line 17; Claims 1, 20 & 24	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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