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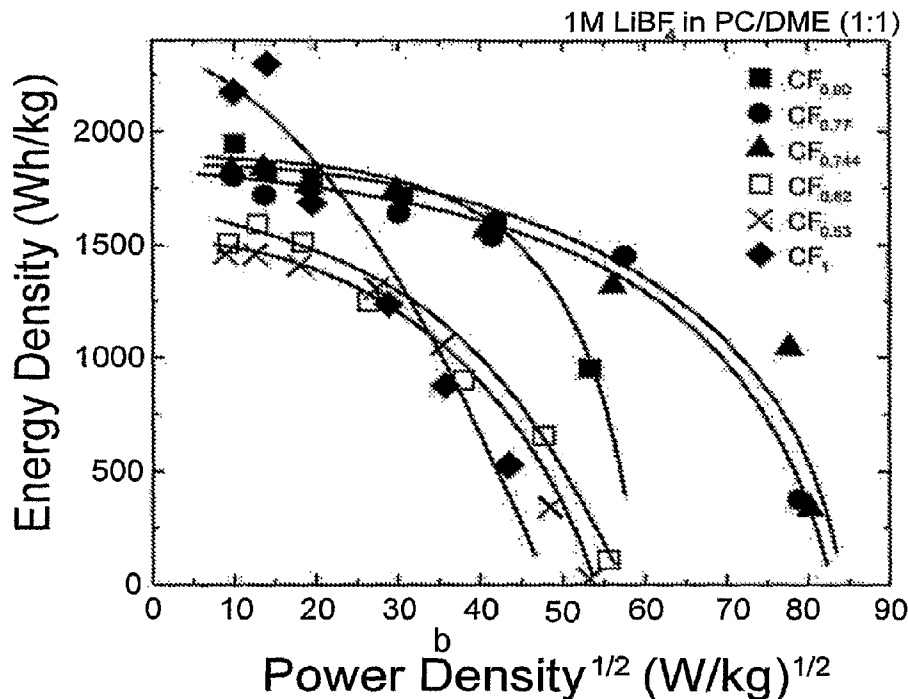
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(54) Title: ELECTROCHEMISTRY OF CARBON SUBFLUORIDES



(57) Abstract: Subfluorinated carbonaceous materials obtained through direct fluorination of graphite or coke particles are provided. One set of subfluorinated carbonaceous materials has an average chemical composition CF_x in which $0.63 < x \leq 0.95$, $0.66 < x \leq 0.95$ or $0.7 < x \leq 0.95$. The subfluorinated carbonaceous materials are capable of electrochemical performance superior to commercial CF at relatively high rates of discharge.

WO 2007/098478 A3



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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01M 4/58 (2007.01)

USPC - 429/231.7

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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

IPC(8) - H01M 4/58 (2007.01) - see keywords below

Google Patent Internet - see keywords below

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

Google patents, esp@cenet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,438,086 A (ARMAKI et al.) 20 March 1984 (20.03.1984); col 4, ln 43; col 5, ln 5; col 5, ln 46; col 5, ln 47; col 6, ln 37; col 2, ln 50; col 10, ln 46; col 2, ln 50	1-5, 19-21 ----- 6-11, 14-18
Y	US 6,068,921 A (YAMANA et al.) 30 May 2000 (30.05.2000); Abstract and col 16, ln 16	7, 8, 12, 13, 22-28
Y	US 6,358,649 B1 (YAZAMI et al.) 19 March 2002 (19.03.2002); col 5, ln 48	22-28
Y	FR 2,856,674 A1 (HAMWI et al.) 31 December 2004 (31.12.2004); abstract, Figure 6.	6, 9-13
Y	US 5,702,844 A (BERNARD et al.) 30 December 1997 (30.12.1997); col 4, ln 22	14-18
Y	US 5,116,592 A (WEINBERG) 26 May 1992 (26.05.1992); col 1, ln 46; col 1, ln 54	26-28

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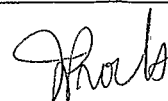
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