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(54) Title: SOLID ELECTROLYTIC CAPACITOR WITH IMPROVED LEAKAGE CURRENT

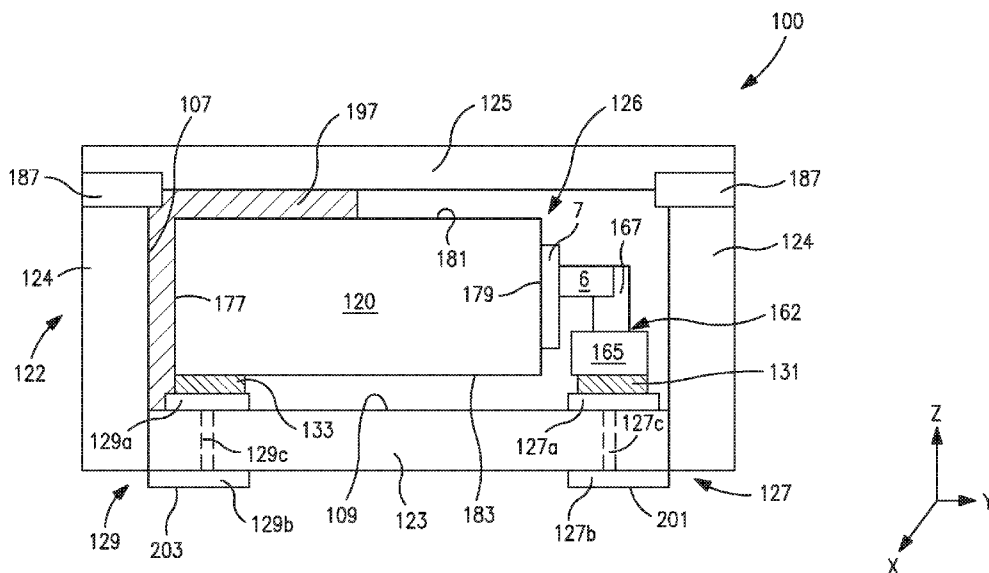


FIG. 1

(57) Abstract: A capacitor assembly that is capable of exhibiting good electrical properties even under a variety of conditions is provided. More particularly, the capacitor contains a capacitor element that includes a sintered porous anode body, a dielectric that overlies the anode body, and a solid electrolyte that overlies the dielectric. The solid electrolyte contains an adhesion layer that is positioned between an inner conductive polymer layer and an outer conductive polymer layer. The adhesion layer is formed from an organometallic compound and the outer layer is formed from pre-polymerized conductive polymer particles.



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A. CLASSIFICATION OF SUBJECT MATTER**H01G 9/042(2006.01)i, H01G 9/15(2006.01)i**

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

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
H01G 9/042; H01G 9/022; H01G 9/15; H01B 1/12; H01G 9/035; H01G 7/00; C09D 177/12Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility modelsElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & keywords: capacitor, anode, dielectric, electrolyte, polymer, adhesion layer**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008-0316680 A1 (TAKAHISA IIDA et al.) 25 December 2008 See paragraphs [0009]-[0062] and figure 1.	1-2, 8-13, 15-19
Y		3-7, 14, 20-27
Y	US 2016-0254099 A1 (KEMET ELECTRONICS CORPORATION) 01 September 2016 See paragraphs [0005]-[0055] and figures 4-5.	3-7, 14, 20-27
A	US 2011-0233450 A1 (TOMOKI NOBUTA et al.) 29 September 2011 See paragraphs [0055]-[0066] and figure 1.	1-27
A	US 2011-0232056 A1 (HIROKI HAYASHI et al.) 29 September 2011 See paragraphs [0026]-[0036] and figure 5.	1-27
A	US 2013-0242464 A1 (AVX CORPORATION) 19 September 2013 See paragraphs [0004]-[0016] and figure 1.	1-27

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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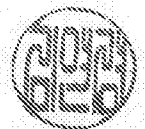
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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