Title: CAPACITOR COMPRISING FLEX CRACK MITIGATION voids

Abstract: A ceramic multilayer surface-mount capacitor with inherent crack mitigation void patterning to channel flex cracks into a safe zone, thereby negating any electrical failures.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
A. CLASSIFICATION OF SUBJECT MATTER

HOIG 4/33(2006.01)i, HOIG 4/30(2006.01)1

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)

IPC HOIG 4/33

Documentation 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 SINCE 1975
JAPANESE UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS, PAJ, capacitor, crack, void

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<td>1-27</td>
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<td>A</td>
<td>US 6059847 A (FARAHMANDI, C.J. et al.) 09 May 2000. see abstract; column 5 line 44-column 7 line 15; figures 1-3; claim 1</td>
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Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents
  "A" document defining the general state of the art which is not considered to be of particular relevance
  "E" earlier application or patent but published on or after the international filing date
  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
  "O" document referring to an oral disclosure, use, exhibition or other means
  "P" document published prior to the international filing date but later than the priority date claimed
  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
  "X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
  "Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
  "&" document member of the same patent family

Date of the actual completion of the international search
26 MAY 2010 (26 05 2010)

Date of mailing of the international search report
27 MAY 2010 (27.05.2010)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seogu, Daejeon 302-701, Republic of Korea

Facsimile No 82-42-472-7140

Authorized officer

PARK, ROH CHOON

Telephone No 82-42-481-5958

Form PCT/ISA/210 (second sheet) (July 2009)
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<tr>
<td>US 4916285 A</td>
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</tr>
<tr>
<td>US 2006/0269762 A1</td>
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<td>21.03.2007</td>
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<tr>
<td></td>
<td></td>
<td>CN 1160455 CO</td>
<td>24.09.1997</td>
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<td></td>
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<td>15.12.1999</td>
</tr>
<tr>
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<td></td>
<td>CN 1111885 C</td>
<td>18.06.2003</td>
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<td>CN 1160455 A</td>
<td>24.09.1997</td>
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<td></td>
<td></td>
<td>CN 1238855 A</td>
<td>15.12.1999</td>
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<tr>
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<td>EP 0946954 B1</td>
<td>06.10.2004</td>
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<tr>
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<td>EP 0786 142 B1</td>
<td>01.07.1998</td>
</tr>
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<td></td>
<td>EP 0946954 A1</td>
<td>06.10.1999</td>
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<td>KR 10-0359030 B1</td>
<td>24.01.2003</td>
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<td>KR 10-0485098 B1</td>
<td>22.04.2005</td>
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<td></td>
<td>US 06585 152 B2</td>
<td>01.07.2003</td>
</tr>
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<td></td>
<td></td>
<td>US 0562 1607 A</td>
<td>15.04.1997</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 05777428 A</td>
<td>07.07.1998</td>
</tr>
<tr>
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<td></td>
<td>US 05862035 A</td>
<td>19.01.1999</td>
</tr>
<tr>
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<td></td>
<td>US 05907472 A</td>
<td>25.05.1999</td>
</tr>
<tr>
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<td></td>
<td>US 06094788 A</td>
<td>01.08.2000</td>
</tr>
<tr>
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<td></td>
<td>US 06233 135 B1</td>
<td>15.05.2001</td>
</tr>
<tr>
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<td></td>
<td>US 0643003 1 B1</td>
<td>06.08.2002</td>
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<td></td>
<td>US 0645 1073 B1</td>
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</tr>
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