(Abstract)
An ignition trace pattern (10) on a printed circuit board (19) for conveying an initiating electrical current to a reactive multilayer foil preform (14) in a bonding region. The ignition trace (10) includes an ignition pad (11) disposed on the printed circuit board (19) adjacent to, but electrically isolated from, a bond pad (12) in the bonding region on the printed circuit board (19), a remote pad (13) disposed outside the bonding region on the printed circuit board (19) to which an electrode (16) may be electrically connected for delivering an initiating electrical current, and a trace (18) connecting the remote pad (13) and the ignition pad (11). The trace (18) is configured to conduct an initiating electrical current from the remote pad (13) to the ignition pad (11) and into any adjacent reactive multilayer foil performs (14) in electrical contact with the ignition pad (11) in the bonding region.
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

H05K 1/09(2006.01)i

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)

H05K 1/09; H05K 7/20

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(KIPO internal) & Keywords: ignition, board, pad, bond

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<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>A</td>
<td>US 6590774 B2 (OISHI; HIDETOSHI et al.) 08 July 2003 See the entire document.</td>
<td>1-36</td>
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* Special categories of cited documents:

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FURTHER DOCUMENTS ARE LISTED IN THE CONTINUATION OF BOX C.

See patent family annex.

Date of the actual completion of the international search

19 JANUARY 2010 (19.01.2010)

Date of mailing of the international search report

20 JANUARY 2010 (20.01.2010)

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