Flash Memory Card

A flash memory card (10) is disclosed comprising a substrate, a flash memory die (212) on top of the substrate (222), a controller die (224) on top of the flash memory die (223), and an interposer coupled to the controller die (224) and on top of the flash memory die (223) wherein the interposer (242) results in a substantial cut wire bonding to the substrate. The interposer (242) can surround or be placed side by side with the controller die (224). A system and method in accordance with the present invention achieves the following objectives: takes advantage of as large of a flash memory die (223) as possible, to increase the density of the flash card by reducing the number of wire bond pads (326, 327) on the substrate and enabling insertion of the largest die possible that can fit inside given card interior boundary; more efficiently stacks flash memory dies to increase density of the flash card (10); and has a substantially less number of bonding wires (151, 152) to the substrate as possible, to improve production yield.
INTERNATIONAL SEARCH REPORT

International application No
PCT/US07/13825

A CLASSIFICATION OF SUBJECT MATTER


USPC 257/724, 777

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)

US 257/724, 723, 777, 686, 696, 786, 784, 666

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

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

C DOCUMENTS CONSIDERED TO BE RELEVANT

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<tr>
<th>Category</th>
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<tr>
<td>A</td>
<td>US 7, 151, 010 A (NGUYEN et al) 19 December 2006, see entire document</td>
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<td>A</td>
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<td>US 7, 176, 506 A (BEROZ et al) 13 February 2007, see entire document</td>
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D See patent family annex

Further documents are listed in the continuation of Box C

Date of the actual completion of the international search
19 July 2008 (19 07 2008)

Date of mailing of the international search report

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/Sheila Clarke

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