DIE ENCAPSULATION USING A POROUS CARRIER

A process for encapsulating an integrated circuit die (403) using a porous carrier (101). In one example, an adhesive structure (e.g., tape) is applied to a porous carrier. Integrated circuit die is then placed on the adhesive structure. The integrated circuit die is then encapsulated to form an encapsulated structure (505). The carrier is then subjected to a solvent that passes through the carrier to reduce the adhesive strength of the adhesive structure for removal of the carrier from the encapsulated structure.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/01529

A. CLASSIFICATION OF SUBJECT MATTER
IPCL(IPC): H01L 21/44, 48, 50
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)

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>JP 2002-362677 A (TAKAOKA et al.) 18 December 2002, (All pages of the Translated document).</td>
<td>1, 5-9, 11-15</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,620,928 (LEE et al.) 15 April 1997, Abstract, column 2, lines 30-55, col. 4, lines 20-65.</td>
<td>1, 5-9, 11-15</td>
</tr>
</tbody>
</table>

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

* Special categories of cited documents:
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Date of the actual completion of the international search:

Name and mailing address of the ISA/US
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Facsimile No. (703) 395-3230

Date of mailing of the international search report:
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