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(71) Applicant *(for all designated States except US)*: NATIONAL RESEARCH DEVELOPMENT CORPORATION [GB/GB]; 101 Newington Causeway, London SE1 6BU (GB).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)* : ROGERS, Tony, William, James [GB/GB]; 142 Bath Road, Reading, Berkshire RG3 2EU (GB).

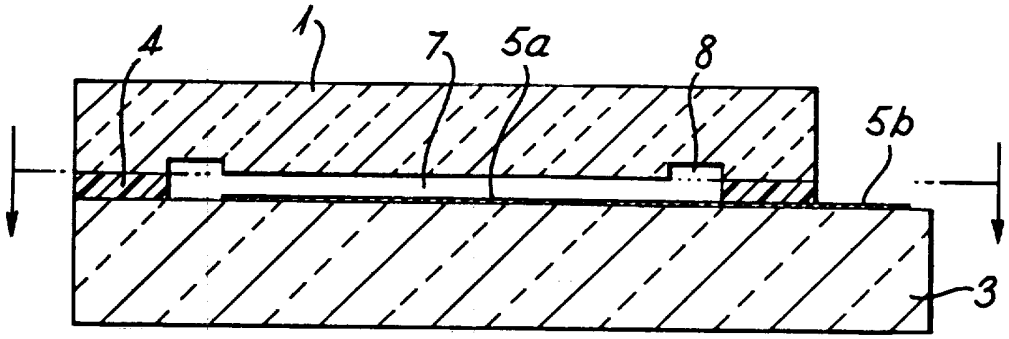
(74) Agent: GASKIN, John, Shield; Patents Department, National Research Development Corporation, 101 Newington Causeway, London SE1 6BU (GB).

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(54) Title: SEMICONDUCTOR CAVITY DEVICE WITH ELECTRIC LEAD



(57) Abstract

The invention provides a method of making a semiconductor cavity device provided with an electrode within its cavity and an electric lead into the cavity and electrically continuous with the electrode therewithin, comprising depositing metal, in the shape of the lead and the electrode, on a non-conductive substrate, then providing an annular insulating layer in the shape of the boundary of the cavity on the substrate including where necessary on the metal of the lead, but not of the electrode, then (preferably in vacuo) placing on the insulating layer a semiconductor formed to define the remainder of the cavity, and applying a voltage between the substrate and the semiconductor whereby to promote electrostatic bonding between the insulating layer and the semiconductor.

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INTERNATIONAL SEARCH REPORT

International Application No PCT/GB 90/02035

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) [6]

According to International Patent Classification (IPC) or to both National Classification and IPC

IPC[5]: G 01 L 9/12

II. FIELDS SEARCHED

Minimum Documentation Searched [7]

Classification System	Classification Symbols
IPC[5]	G 01 L

Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched [8]

III. DOCUMENTS CONSIDERED TO BE RELEVANT [9]

Category [10]	Citation of Document, [11] with indication, where appropriate, of the relevant passages [12]	Relevant to Claim No. [13]
X	EP, A, 0156757 (UNITED TECHNOLOGIES CORP.) 2 October 1985 see page 10, lines 5-25; page 13, lines 14-29; page 16, lines 28-32; claim 1; figures 8-10	1-2,4,6
Y		5
Y	EP, A, 0302654 (SPECTROL RELIANCE LTD) 8 February 1989 see claim 5 cited in the application	5

* Special categories of cited documents: [10]

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IV. CERTIFICATION

Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report
18th June 1991	13. 08. 91
International Searching Authority	**Signature of Authorized Officer**
EUROPEAN PATENT OFFICE	Nuria TORIBIO

ANNEX TO THE INTERNATIONAL SEARCH REPORT ON INTERNATIONAL PATENT APPLICATION NO. GB 9002035 SA 43135

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 31/07/91
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP-A- 0156757	02-10-85	US-A- 4530029	16-07-85
EP-A- 0302654	08-02-89	GB-A- 2208754	12-04-89
		US-A- 4849374	18-07-89