Title: LAMINATED SEMICONDUCTOR RADIATION DETECTOR

Abstract: A detection system which includes at least one element enabling the detection of high-energy radiation. The element (210) has a multilayered structure including a lower electrode (213), a first layer including a semiconducting dark current effects reducing substance deposited on the lower electrode (215), a second layer including a wide band gap semiconducting substance deposited onto the first layer (217), and an upper electrode deposited onto the second layer (218).
Date of publication of the international search report: 8 May 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL02/00471

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01T 1/24  
US CL. : 250/370.09

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)  
U.S. : 250/370.09, 370.01, 370.03, 370.08, 370.12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NONE

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>
</table>

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

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"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

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"O" document referring to an oral disclosure, use, exhibition or other means

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Date of the actual completion of the international search  
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Date of mailing of the international search report  
03 JAN 2003

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