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(54) Title: ION-SENSITIVE MICROELECTRODES

(57) Abstract: The present invention discloses an ion-sensitive solid state microelectrode for the determination of the activity of a specific ion in a solution. The microelectrode comprises a membrane and a core encapsulated therein. The membrane is selectively penetrable to said specific ion and contains a first metal, while the core comprises an electrically conducting microwire, made of an alloy of said first metal with at least one other metal.



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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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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)

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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 practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages                                                                       | Relevant to claim No.               |
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|            | ---<br>-/--                                                                                                                                              |                                     |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*&\* document member of the same patent family

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                                                                                                                                                                                                                          |                       |
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Information on patent family members

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PCT/IL 01/00230

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