

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number  
**WO 2004/096293 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 51/00**,  
A61M 36/00, A61P 35/00

(21) International Application Number:  
PCT/IL2004/000363

(22) International Filing Date: 29 April 2004 (29.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/466,408 30 April 2003 (30.04.2003) US

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(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
29 December 2004

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR RADIOTHERAPY

(57) Abstract: A radiotherapy method, comprising positioning a predetermined amount of a radionuclide selected from the group consisting of Radium-223, Radium-224, Radon-219 and Radon-220, in proximity to and/or within a tumor of a subject, for a prede-  
termined time period. The predetermined amount and the predetermined time period are selected sufficient for the radionuclide to  
administering a predetermined therapeutic dose of decay chain nuclei and alpha particles into the tumor.



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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2004/000363

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K51/00 A61M36/00 A61P35/00

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)  
IPC 7 A61K A61M

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, WPI Data, PAJ, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 191 121 A (VARIAN MED SYST INC) 27 March 2002 (2002-03-27)	1-46, 73-93
X	paragraphs '0014! - '0016!, '0021!, '0022!	47-72
X	US 5 713 828 A (CONIGLIONE ROY) 3 February 1998 (1998-02-03) column 4, lines 18-25	1-46, 73-93
X	US 4 976 680 A (LIPRIE SAMUEL F ET AL) 11 December 1990 (1990-12-11) column 3, lines 48-59	1-46, 73-93
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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

Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

16. 11. 2004

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2004/000363

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	THOMSON ET AL: "Stereostatic multiple arc radiotherapy" THE BRITISH J. OF RADIOLOGY, vol. 63, no. 754, 1990, pages 745-751, XP009033829 figure 5	1-46, 73-93
X	----- US 6 030 333 A (SIOSHANSI PIRAN ET AL) 29 February 2000 (2000-02-29) column 7, lines 3-6	47-72
X	----- WO 00/71204 A (RADIOMED CORP) 30 November 2000 (2000-11-30) page 13, lines 9-29	47-72
X	----- US 6 224 536 B1 (PIKE KELLY) 1 May 2001 (2001-05-01) column 4, lines 38-51	47-72
X	----- US 2002/077520 A1 (HAMPIKIAN JANET M ET AL) 20 June 2002 (2002-06-20) paragraph '0043!	94-105
X	----- US 6 077 413 A (HAFELI URS ET AL) 20 June 2000 (2000-06-20) column 8, lines 41-53 -----	94-105

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL2004/000363

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 1-15, 73-93 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box II.1

Although claims 1-15, 73-93 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000363

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