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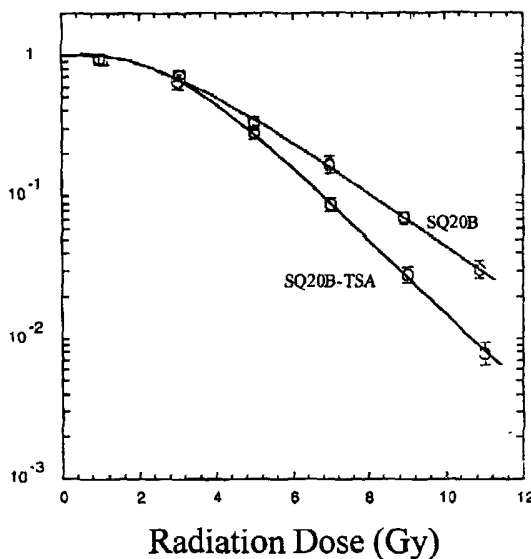
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- (71) Applicant (for all designated States except US): **GEORGETOWN UNIVERSITY** [US/US]; 37th & O Streets, N.W., Washington, DC 20057 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JUNG, Mira** [US/US]; 330 New Mark Esplanade, Rockville, MD 20850 (US). **JUNG, Manfred** [DE/DE]; Albertsheide 22,
- (74) Agents: **BRUEHS, Martin, A.** et al.; Burns, Doane, Swecker & Mathis, LLP, P.O. Box 1404, Alexandria, VA 22313-1404 (US).
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[Continued on next page]

(54) Title: METHOD OF CANCER TREATMENT USING HDAC INHIBITORS

Fractional  
Survival



(57) Abstract: Improved methods for treatment of cancer are provided. The improvements include the administration of one or more synergistic agents, specifically inhibitors of histone deacetylase proteins and complexes. These synergistic agents increase the effectiveness of radiation therapy and/or chemotherapies by increasing the sensitivity of tumor cells to treatment.

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**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations 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, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT,*

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61N 5/00; C07C 259/06  
 US CL : 600/001; 562/621

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. : 600/001-008; 562/621

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, WEST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 6,159,143 A (Lennox) 12 December 2000 (12.12.2000), abstract, column 3, lines 20-67 and column 4, lines 1-63.	1-3, 7, 9-11 and 18 ----- 4-6, 8, 12-7, 19 and 20
Y --- A	US 6,495,719 B2 (Lan-Hargest et al.) 17 December 2002 (17.12.2002), abstract, column 1, lines 44-53 and column 26, lines 27-56.	1-3, 7, 9-11 and 18 ----- 4-6,8,12-17,19 and 20

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Nikita R Veniaminov

Telephone No. (703) 308-0858

*Sheila H. Venev*  
 Paralegal Specialist  
 Tech. Center 3700