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(54) Title: TARGETED MULTIVALENT MACROMOLECULES

(57) Abstract: Targeted macromolecules comprising a linking carrier and more than one targeting entity are provided, as well as methods for their preparation and use. Targeted therapeutic agents, comprising a linking carrier, a therapeutic entity associated with the linking carrier, and at least one targeting entity are also provided, as well as methods for their preparation and use.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/17191

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : C07D 237/02; A61K 31/33, 51/00, 49/00, 49/04, 9/127; A61B 8/00
 US CL : 544/224; 514/183; 424/1.11, 9.1, 9.4, 9.5, 450
 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. : 544/224; 514/183; 424/1.11, 9.1, 9.4, 9.5, 450

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)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,132,764 A (LI et al) 17 October 2000 (17.10.2000), column 3, line 55 through col. 5, line 40; column 9, line 1 through column 15, line 17.	1-14, 30-42, 45-58, 61-69, 75, 77-78, 83 ----- 15, 17-29, 44, 59, 70-74, 76, 79-82
Y	US 5,651,986 A (BREM et al) 29 July 1997 (29.07.1997), column 1, line 5 through column 1, line 15.	15, 17-29, 44, 59, 70-74, 76, 79-82
A	US 6,066,123 A (LI et al) 23 May 2000 (23.05.2000), column 3, line 30 through column 9, line 30.	1-83
A	US 5,212,075 A (BEDNARSKI et al) 18 May 1993 (18.05.1993), column 1, line 15 through column 4, line 3.	1-83

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

* Special categories of cited documents:	"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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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

STN: Registry File, structure search of claimed compound

WEST: USPATFULL, PGPubs, Derwent Abstracts- terms= liposome, macromolecule, target\$. paclitaxel, contrast agent, mri, and inventor name search