

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/017907 A3

- (51) International Patent Classification⁷: **A61K 51/00**, 9/14, A61B 5/055, 8/00
- (21) International Application Number: PCT/US2003/026265
- (22) International Filing Date: 20 August 2003 (20.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/225,024 20 August 2002 (20.08.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, 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 (regional): ARIPO patent (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, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (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: 17 June 2004
- 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.



WO 2004/017907 A3

(54) Title: BLOOD CLOT-TARGETED NANOPARTICLES

(57) Abstract: Emulsions comprising nanoparticles formed from high boiling perfluorochemical substances, said particles coated with a lipid/surfactant coating are made target-specific by directly coupling said nanoparticles to a targeting ligand. The nanoparticles may further include biologically active agents, radionuclides, and/or other imaging agents, and are used to image and/or lyse blood clots in human subjects.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26265

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 51/00, 9/14; A61B 5/055, 8/00 US CL : 424/1.29, 9.32, 9.5, 489 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. : 424/1.29, 9.32, 9.5, 489, 9.3, 9.51, 9.52 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 5,542,935 A (UNGER et al) 06 August 1996 (06.08.1996), see column 1, line 57, column 10, lines 16-25, columns 15-16, column 20, lines 32-38, columns 23-25 and 32.	1-12 and 14-18 ----- 13
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search 05 November 2003 (05.11.2003)	Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em; font-weight: bold;">21 APR 2004</div>	
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INTERNATIONAL SEARCH REPORT

PCT/US05/26265

Continuation of B. FIELDS SEARCHED Item 3:

APS

search term: imaging, nanoparticles, target, clot, thrombus, emulsion, MRI, radionuclide, ultrasound.