

Title (en)
TUMOR-TARGETING DRUG-LOADED PARTICLES

Title (de)
MIT ARZNEIMITTEL BELADENE TEILCHEN MIT TUMOR-TARGET

Title (fr)
PARTICULES A CHARGE MEDICAMENTEUSE CIBLANT LES TUMEURS

Publication
EP 1608359 A4 20110817 (EN)

Application
EP 04758803 A 20040402

Priority
• US 2004010230 W 20040402
• US 46082703 P 20030403

Abstract (en)
[origin: WO2004089291A2] A composition for delivering a tumor therapeutic agent to a patient includes a fast-release formulation of a tumor apoptosis inducing agent, a slow-release formulation of a tumor therapeutic agent, and a pharmaceutically acceptable carrier. An apoptosis-inducing agent in a pharmaceutically acceptable carrier may be administered before or concomitantly therewith. Nanoparticles or microparticles (e.g., cross-linked gelatin) of the therapeutic agent (e.g., paclitaxel) also may be used. The nanoparticles or microparticles may be coated with a bioadhesive coating. Microspheres that agglomerated to block the entrance of the lymphatic ducts of the bladder to retard clearance of the microparticles through the lymphatic system also may be employed. This invention also uses drug-loaded gelatin and poly(lactide-co-glycolide) (PLGA) nanoparticles and microparticles to target drug delivery to tumors in the peritoneal cavity, bladder tissues, and kidneys.

IPC 8 full level
A61K 31/335 (2006.01); **A61K 9/00** (2006.01); **A61K 9/16** (2006.01); **A61K 9/50** (2006.01); **A61K 9/51** (2006.01); **A61K 31/337** (2006.01); **A61K 31/704** (2006.01); **A61P 35/00** (2006.01)

IPC 8 main group level
A61K (2006.01)

CPC (source: EP KR)
A61K 9/0019 (2013.01 - EP); **A61K 9/0034** (2013.01 - EP); **A61K 9/16** (2013.01 - KR); **A61K 9/1647** (2013.01 - EP); **A61K 9/20** (2013.01 - KR); **A61K 9/5084** (2013.01 - EP); **A61K 9/5153** (2013.01 - EP); **A61P 13/00** (2017.12 - EP); **A61P 13/02** (2017.12 - EP); **A61P 13/10** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61K 9/5052** (2013.01 - EP); **B82Y 5/00** (2013.01 - KR)

Citation (search report)
• [X] US 2002013298 A1 20020131 - HUNTER WILLIAM L [CA]
• [X] WO 9921908 A1 19990506 - ANGIOTECH PHARM INC [CA], et al
• See references of WO 2004089291A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004089291 A2 20041021; **WO 2004089291 A3 20050421**; AU 2004228008 A1 20041021; AU 2004228008 B2 20081106; AU 2009200463 A1 20090305; CA 2520475 A1 20041021; CA 2520475 C 20121009; CN 102697737 A 20121003; CN 102697737 B 20140319; CN 1816331 A 20060809; CN 1816331 B 20120808; EP 1608359 A2 20051228; EP 1608359 A4 20110817; IL 171185 A 20130731; JP 2006522148 A 20060928; JP 4927535 B2 20120509; KR 100849911 B1 20080804; KR 20060006911 A 20060120

DOCDB simple family (application)
US 2004010230 W 20040402; AU 2004228008 A 20040402; AU 2009200463 A 20090206; CA 2520475 A 20040402; CN 200480015684 A 20040402; CN 201210204260 A 20040402; EP 04758803 A 20040402; IL 17118505 A 20050929; JP 2006509638 A 20040402; KR 20057018841 A 20051004