

Title (en)

ACOUSTICALLY ACTIVATED LOCALIZED DRUG DELIVERY

Title (de)

AKUSTISCH AKTIVIERBARE LOKALISIERTE WIRKSTOFFZUFUHR

Title (fr)

LIBERATION DE MEDICAMENT LOCALISEE, ACTIVEE PAR VOIE ACOUSTIQUE

Publication

**EP 1037608 A1 20000927 (EN)**

Application

**EP 98950671 A 19980923**

Priority

- US 9820046 W 19980923
- US 5977497 P 19970923

Abstract (en)

[origin: WO9915151A1] A method for administering a drug to a selected site in a patient includes the steps of (a) administering a composition including a micellar drug carrier having a hydrophobic core and an effective amount of the drug disposed in the hydrophobic core; and (b) applying ultrasonic energy to the selected site such that the drug is released from the hydrophobic core to the selected site. Preferably, the drug carrier is a triblock copolymer, such as a poly(ethylene oxide)-poly(propylene oxide)-poly(ethylene oxide) block copolymer having a molecular weight of about 6500. The drug is preferably an antineoplastic agent such as doxorubicin.

IPC 1-7

**A61K 9/10**; **A61K 47/32**

IPC 8 full level

**A61K 9/00** (2006.01); **A61K 9/107** (2006.01)

CPC (source: EP)

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