

Title (en)

METHOD FOR ULTRASOUND TRIGGERED DRUG DELIVERY

Title (de)

VERFAHREN ZUR DURCH ULTRASCHALL AUSGELÖSTE ARZNEISTOFFABGABE

Title (fr)

PROCEDE D'ADMINISTRATION DE MEDICAMENTS PAR ULTRASONS

Publication

EP 1052976 A1 20001122 (EN)

Application

EP 99906768 A 19990205

Priority

- US 9902579 W 19990205
- US 2004698 A 19980206

Abstract (en)

[origin: WO9939697A1] A method is provided for delivering pharmacological agents to a region within the subject (1) by introducing microcapsule (2) containing the agent into the bloodstream, where the microcapsule (2) has specific, and precise acoustical characteristics. The microcapsule (2) is introduced into the bloodstream of the subject (1), its location is monitored to determine its presence at the region, then ultrasonic energy from ultrasonic probe (4) is directed at the location at a frequency waveform or intensity sufficient to induce the release of the pharmacological agent at the region to achieve a pharmaceutical effect.

IPC 1-7

A61K 9/127; **A61M 31/00**

IPC 8 full level

A61K 9/00 (2006.01); **A61K 41/00** (2006.01); **A61M 37/00** (2006.01)

CPC (source: EP)

A61K 9/0009 (2013.01); **A61K 41/0028** (2013.01); **A61M 37/0092** (2013.01); **A61N 2007/0039** (2013.01); **A61N 2007/0095** (2013.01)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9939697 A1 19990812; AU 2660199 A 19990823; EP 1052976 A1 20001122; EP 1052976 A4 20070523

DOCDB simple family (application)

US 9902579 W 19990205; AU 2660199 A 19990205; EP 99906768 A 19990205