

Title (en)
THERMOSENSITIVE, BIOCOMPATIBLE POLYMER CARRIERS WITH A VARIABLE PHYSICAL STRUCTURE FOR TREATMENT, DIAGNOSIS AND ANALYSIS

Title (de)
THERMOSENSITIVE, BIOKOMPATIBLE POLYMERTRÄGER MIT VERÄNDERBARER PHYSIKALISCHER STRUKTUR FÜR DIE THERAPIE, DIAGNOSTIK UND ANALYTIK

Title (fr)
SUPPORTS POLYMERES THERMOSENSIBLES, BIOCOMPATIBLES, COMPORTANT UNE STRUCTURE PHYSIQUE VARIABLE, DESTINES A LA THERAPIE, AU DIAGNOSTIC ET A L'ANALYSE

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Application
EP 04766003 A 20041022

Priority

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- DE 10350248 A 20031028

Abstract (en)
[origin: WO2005042142A2] The invention relates to biocompatible, thermosensitive polymers that can be heated by encapsulating magnetic and/or metallic colloids or magnetic nanoparticles by means of a high-frequency, magnetic alternating field. The inductive heating of the polymer matrix triggers physical structural changes in the polymer matrix, that lead to encapsulated bioactive substances being rapidly released in the polymer matrix. Said stimulus-response principle is used to produce controllable medicament depots, contrast-reinforcing means for NMR diagnosis, and manipulable microtools, as means for blocking blood vessels and as controllable porogens during the production of membranes.

IPC 1-7
A61K 41/00; **A61K 47/48**

IPC 8 full level
A61K 9/00 (2006.01); **A61K 33/00** (2006.01); **A61K 41/00** (2006.01); **A61K 47/48** (2006.01); **B01J 13/14** (2006.01); **C08J 7/16** (2006.01); **C09D 5/23** (2006.01); **H01F 1/00** (2006.01); **H01F 1/44** (2006.01)

IPC 8 main group level
B01J (2006.01)

CPC (source: EP US)
A61K 9/0009 (2013.01 - EP US); **A61K 41/0028** (2013.01 - EP US); **B82Y 5/00** (2013.01 - EP US); **Y10T 428/254** (2015.01 - EP US); **Y10T 428/2982** (2015.01 - EP US); **Y10T 428/2991** (2015.01 - EP US); **Y10T 428/32** (2015.01 - EP US)

Citation (search report)
See references of WO 2005042142A2

Citation (examination)

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