

Title (en)

SELF-ASSEMBLED, MICROPATTERNED, AND RADIO FREQUENCY (RF) SHIELDED BIOCONTAINERS AND THEIR USES FOR REMOTE SPATIALLY CONTROLLED CHEMICAL DELIVERY

Title (de)

SELBSTANORDNENDE MIKROSTRUKTURIERTE UND FUNKFREQUENZABGESCHIRMTE BIOBEHÄLTER SOWIE IHRE ANWENDUNG FÜR FERNRÄUMLICH GESTEUERTE CHEMISCHE ZUFUHR

Title (fr)

BIOCONTENANTS AUTO-ASSEMBLÉS, À MICRO-MOTIFS ET PROTÉGÉS DES FRÉQUENCES RADIO (RF) ET LEURS UTILISATIONS POUR UNE DISTRIBUTION À DISTANCE DE COMPOSÉS CHIMIQUES CONTRÔLÉE SPATIALEMENT

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Application

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Abstract (en)

[origin: WO2008108862A2] The present invention relates to a nanoscale or microscale particle for encapsulation and delivery of materials or substances, including, but not limited to, cells, drugs, tissue, gels and polymers contained within the particle, with subsequent release of the therapeutic materials in situ, methods of fabricating the particle by folding a 2D precursor into the 3D particle, and the use of the particle in in-vivo or in-vitro applications The particle can be in any polyhedral shape and its surfaces can have either no perforations or nano/microscale perforations The particle is coated with a biocompatible metal, e g gold, or polymer. e g parvlene, layer and the surfaces and hinges of the particle are made of any metal or polymer combinations.

IPC 8 full level

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