TÍTULO:

METHOD ASSISTED BY A LASER AND HIGH-INTENSITY ELECTRIC FIELDS FOR THE SYNTHESIS AND COLLECTION OF NANOPARTICLES AND THE GENERATION OF COATINGS

TITULARES:

Universidad de Vigo

APLICACIONES:

Ingeniería biomédica

PRODUCTO:

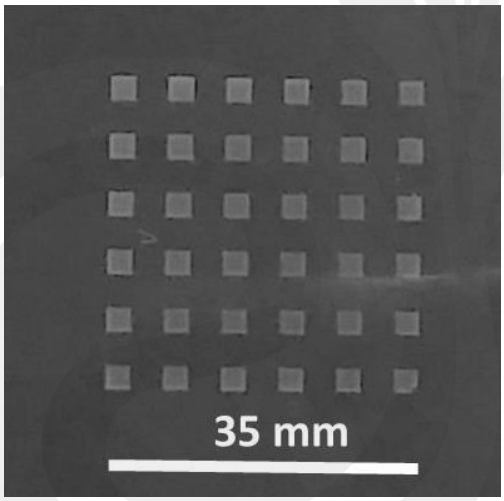
Patente

SITUACIÓN:

PCT: WO2018/206836
https://worldwide.espacenet.com/patent/search/family/064095690/publication/WO2018206836A1?q=WO2018%2F206836

RESUMEN

Method for the synthesis of nanoparticles, their collection and generation of coatings assisted by laser and high intensity electric fields. The present invention refers to a method for the synthesis and collection in a single step of nanoparticles of various materials, as well as to obtain coatings of these on materials with simple or complex geometries, both in a controlled atmosphere and under ambient conditions, by means of the combined application of a laser beam and high intensity electric fields.



Example of nanoparticles synthesized by means of the patented method and collected on a flexible polymer in order to provide a pattern on this biocompatible material.