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TITLE

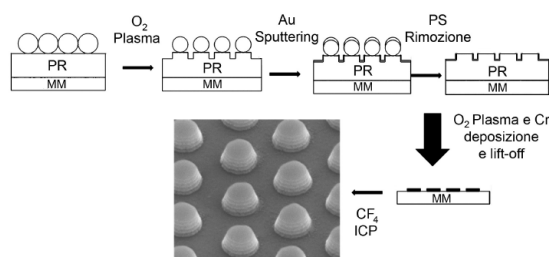
Nanoparticles based on Hyperbolic Metamaterials for Plasmonic Applications

INVENTORS

Francesco DE ANGELIS, Nicolò MACCAFERRI, Yingqi ZHAO, Tommi Juhani ISONIEMI, Antonietta PARRACINO

DESCRIPTION

The invention relates to materials and devices for plasmonic applications, in particular in the field of medicine. A specific object of the invention is to make available nanoparticles that can serve at the same time as a high resolution contrast medium for minimally invasive diagnosis (photoacoustic imaging) and as a thermal source for hyperthermic therapy.



APPLICATIONS

Hyperthermic therapy

KEYWORDS

Plasmonics, therapy, photoacoustic imaging, contrast medium, nanoparticles, medicine

BIBLIOGRAPHIC DATA

Nanoparticelle a Base di Metamateriale Iperbolico per Applicazioni in Plasmonica

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Applicants Fondazione Istituto Italiano di Tecnologia

CONTACTS

Technology Transfer Office

Federica Atzori

Federica.atzori@iit.it

+39 010 71781 518