



ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE

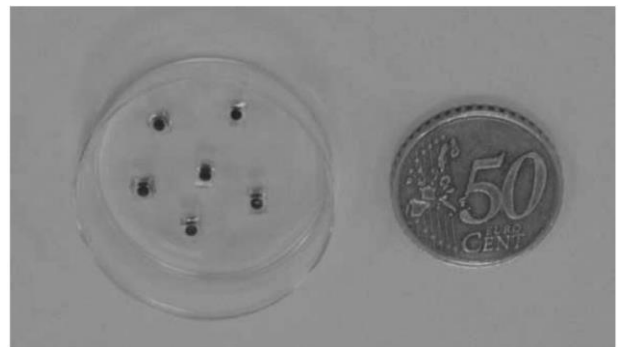
Marcatore fiduciale per l'impiego in radiocirurgia stereotassica e procedimento di produzione

INVENTORS

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DESCRIPTION

Composition in the form of shaped device, for use as a fiducial marker in tissues in the animal body, in radiotherapy and/or radiosurgery comprising a core consisting of a colloidal dispersion of metal nanoparticles and/or oxides or metal salts having X-ray-contrast properties, where said nanoparticles are stabilized with surfactants, polymers or capping agents in a liquid vehicle, and a casing that encapsulates the core polymer, said device having a minimum size of not less than 500 microns and a maximum size not greater than 3000 microns.



APPLICATIONS

Radiosurgery, radiotherapy

KEYWORDS

Markers, fiducial, x-ray, polymer, tissue, nanoparticles

BIBLIOGRAPHIC DATA

Fiducial marker for stereotassic radiosurgery and production process

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