



ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE

Method For Producing Shaped Polymeric Microparticles

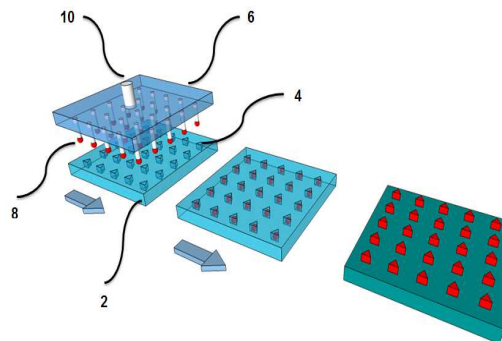
INVENTORS

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DESCRIPTION

Procedures for the production of non-spherical shaped polymeric microparticles comprising the operations of:

- dispose one or more microparticles of substantially spherical shape in a respective microcavities of a mold having the desired non-spherical shape;
- softening of said microparticles by exposure to a solvent or mixture of solvent / non-solvent, at the liquid or steam state, suitable to plasticize the polymeric material constituting said microparticles, possibly assisting the process by a heat treatment
- Extract said microparticles from mold cavity.



APPLICATIONS

Tissue engineering, drug delivery

KEYWORDS

Microparticles, polymer, non-spherical, scaffolds, micro-needle, micro-nanocarrier

BIBLIOGRAPHIC DATA

Procedimento per la produzione di microparticelle polimeriche sagomate

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