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(54) **Method for locally modifying the elasticity of a substrate designed for the growth of cells thereon**

(57) The present invention describes a method for locally modifying the elasticity of an elastic substrate (1) designed for the growth of living cells thereon and/or therein, comprising:
emitting laser radiation (2a) by a laser (2), locally depositing energy in at least one designated spatial area located inside and/or on the surface of the substrate (1) by focusing (F) the emitted laser radiation (2a) onto at least one spatial area, wherein the amount of locally deposited energy is sufficient to locally modify the elasticity of the substrate (1), and
populating, before, during or after the local energy deposition therein, at least one spatial area in which the elasticity of the substrate (1) has been modified and/or at least one adjacent area of the substrate (1) at least partly with cells.

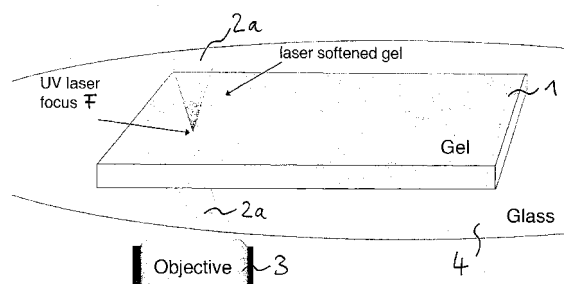


FIG. 1b