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(54) Title: TISSUE CULTURE MEDIA FORMULATION COMPRISING SAND AS GELLING AGENT

(57) Abstract: A tissue culture media formulation, comprising sand as a gelling agent is disclosed. The said media formulation, comprises sand as a gelling agent (3), and other material including essential elements,5 organic supplement, source of carbon and plant growth regulators as well as optimum physical conditions. The invention provides a modified gelling agent component of the media consisting of technically treated sand to replace traditional gelling agents comprising agarose, gelrite and pytogels characterised in that sand is chemically inert, has low effect on the pH and provides a solid media required for micro-propagation of seedlings (2) during tissue culture in a bottle (1). In 10 another embodiment, the invention avails a method of treating sand to produce a tissue culture gelling agent comprising autoclaving