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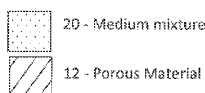
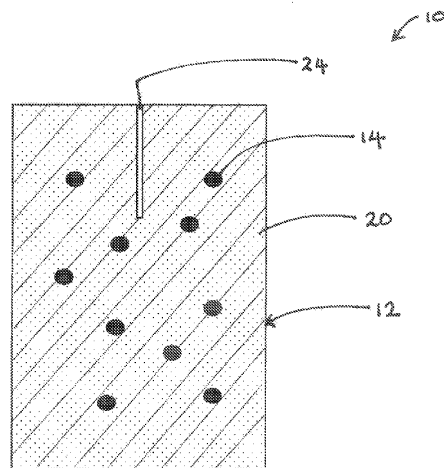


Figure 1

(57) Abstract: This invention relates to an implant (10), including a support arrangement (12) manufactured from a form of a porous material, for receiving and supporting stem cells (14) in a supported condition, for receiving a medium in the form of a neural basal and neural induction medium mixture (20) and the support arrangement (12) being shaped and sized to conform to and be received complementally by an implant zone (16). The implant zone (16) being a space defined by an excised portion of a subject's spinal cord (18). The neural basal and neural induction medium mixture (20) provides nutrients for the development of the stem cells (14) and the growth factors, in form of neurotrophin 3, neurotrophin 4 and brain-derived neurotrophic factor (BDNF) encourage and control development of the stem cells (14), the growth factors typically being constituents of the medium mixture (20).

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