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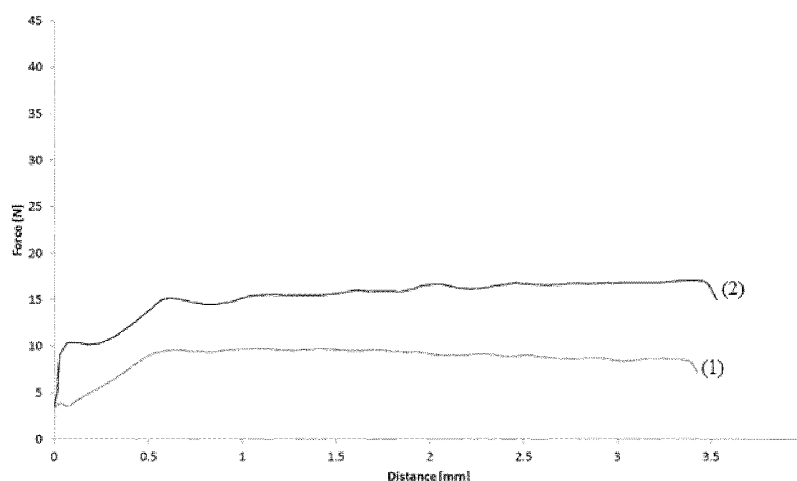
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(54) Title: DRIED IMPLANT COMPOSITION AND INJECTABLE AQUEOUS IMPLANT FORMULATION

Fig. 3A



(57) Abstract: The invention relates to: - A dried implant composition consisting essentially of a mixture of nanocrystalline hydroxyapatite particles derived from natural bone having a size of 50 to 200 μm and fragments of naturally crosslinked fibrous collagen material that pass through a 0.5 mm sieve, whereby the w/w ratio of hydroxyapatite to collagen is from 1.8 to 4.5; - the use of that dried implant composition for preparing an injectable aqueous implant formulation for use in oral tissue regeneration that is extrudable through a tapering system and a gauge 18 (0.838 mm inner diameter) 25.4 mm long cannula; - an injectable aqueous implant formulation for use in oral tissue regeneration, wherein the injectable aqueous implant formulation is obtainable by rehydration and homogeneous mixing of 25-45 w/w % of the above dried implant composition with sterile water or a sterile isotonic saline solution, which can be extruded through a tapering system and an 8 gauge (0.838 mm inner diameter) 25.4 mm long cannula with a force not exceeding 60 N; - a process for preparing the above injectable aqueous implant formulation comprising rehydrating and homogeneously mixing 25-45 w/w % of

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a 20 dried implant composition as defined above in sterile water or a sterile isotonic saline solution; - a kit for preparing the above injectable aqueous implant formulation for use in oral tissue regeneration, which comprises: - a syringe equipped with a mixing device which contains a dried implant 2 composition as defined above, a tapering system and a gauge 18 (0.838 mm inner diameter) 25.4 mm long cannula; - a container filled with an appropriate amount of sterile water or a sterile isotonic solution.