

Title (en)

ELASTOMERIC AND DEGRADABLE HIGH-MINERAL CONTENT POLYMER COMPOSITES

Title (de)

ELASTOMERE UND ABBAUBARE POLYMERZUSAMMENSETZUNGEN MIT HOHEM MINERALGEHALT

Title (fr)

COMPOSITES DE POLYMÈRES À TENEUR ÉLEVÉE EN MINÉRAUX, ÉLASTOMÈRES ET DÉGRADABLES

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Application

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Abstract (en)

[origin: WO2013044078A2] The invention provides novel compositions of hydroxyapatite and block copolymers, methods of their preparation, and uses thereof, wherein the co-polymers have degradable hydrophobic blocks and hydrophilic blocks for stable interfacing with hydroxyapatite, resulting in stable polymer-hydroxyapatite suspensions. The super- hydrophilicity, strengthened mechanical integrity, and retained structural integrity of the HA- PELA composite in aqueous environment represent major advantages over the HA-PLA composites for skeletal tissue engineering applications.

IPC 8 full level

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