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(54) **RELEASE OF ANTIBIOTIC FROM
INJECTABLE, BIODEGRADABLE
POLYURETHANE SCAFFOLDS FOR
ENHANCED BONE FRACTURE HEALING**

Related U.S. Application Data

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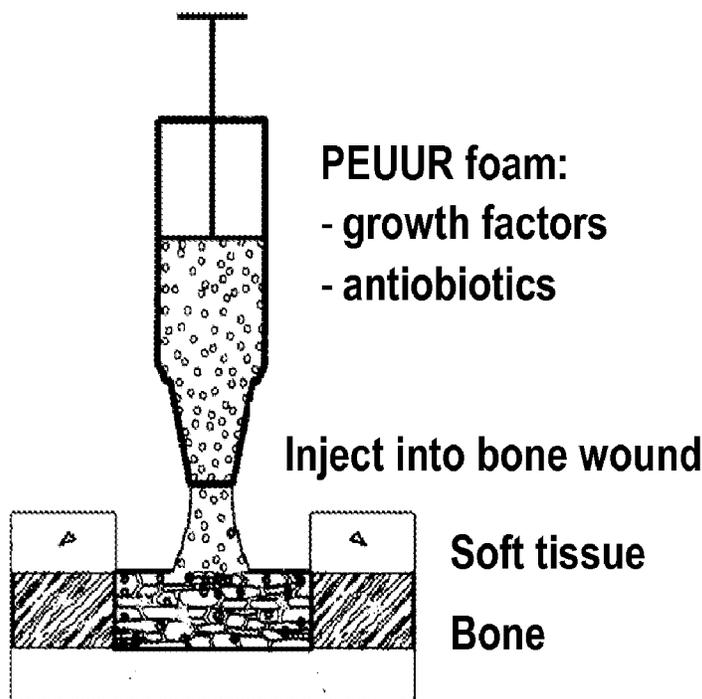
(57) **ABSTRACT**

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A biodegradable polyurethane scaffold, comprising at least one polyisocyanate, polyisocyanate prepolymer, or both, at least one polyester polyol, at least one catalyst, wherein the density of said scaffold is from about 50 to about 250 kg m⁻³ and the porosity of the scaffold is greater than about 70 (vol %) and at least 50% of the pores are interconnected with another pore, and wherein the scaffold incorporates at least one biologically active component in powder form.

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Local cells migrate into scaffold
Antibiotic released (28 days)
Growth factor released (10 days)