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(54) **Title:** VASCULARIZING DEVICES AND METHODS FOR IMPLANTED DIAGNOSTICS AND THERAPEUTICS

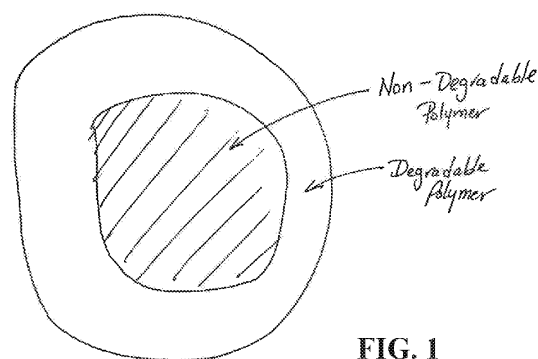


FIG. 1

(57) **Abstract:** The disclosure describes new devices and methods for vascularizing devices and methods for implanted diagnostics and therapeutics. The present disclosure provides, in certain embodiments, a device containing a degradable shell and a non-degradable core. In certain embodiments, the non-degradable core can include encapsulated therapeutic cells and/or biosensors, wherein the degradable shell serves as a scaffold for blood vessel growth, resulting in enhanced blood flow to the cells and/or biosensors.



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