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(71) Applicant: **THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA** [US/US]; The University of Arizona, Tech Transfer Arizona, University Services Annex, 4th Floor, P.O. Box 210300A, Tucson, AZ 85721 (US).

(72) Inventor: **PAPAS, Klearchos, K.**; The University of Arizona, 1656 E. Mabel St. P.O. Box 245221, Tucson, AZ 85724 (US).

(74) Agent: **NGUYEN, Quan**; Nguyen & Tarbet, 4199 Campus Drive, Suite 550, Irvine, CA 92612 (US).

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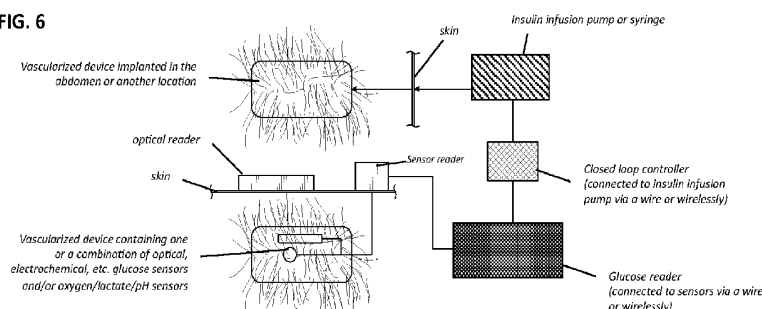
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FIG. 6



(57) Abstract: Methods, systems, and devices for regulating blood glucose such as implantable encapsulated devices optionally with insulin and/or glucagon secreting cells in combination with glucose sensors and insulin infusion systems. For example, encapsulation devices may be connected to an insulin infusion pump for distribution of insulin. The insulin infusion pump may feature an insulin pouch fluidly connected to an insulin pump (or a syringe) and a glucose sensor separate from the encapsulation device. The system may feature an additional implantable device comprising insulin and glucagon secreting cells.

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