

Title (en)  
SYSTEMS, METHODS, AND DEVICES HAVING STRETCHABLE INTEGRATED CIRCUITRY FOR SENSING AND DELIVERING THERAPY

Title (de)  
SYSTEME, VERFAHREN UND VORRICHTUNGEN MIT DEHNBARER INTEGRIERTER SCHALTUNG FÜR MESSUNG UND THERAPIEVERABREICHUNG

Title (fr)  
SYSTÈMES, PROCÉDÉS ET DISPOSITIFS AYANT DES ÉLÉMENTS DE CIRCUITS INTÉGRÉS ÉTIRABLES POUR DÉTECTER ET ADMINISTRER UNE THÉRAPIE

Publication  
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Application  
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- US 57500809 A 20091007
- US 68607610 A 20100112

Abstract (en)  
[origin: WO2010102310A2] System, devices and methods are presented that integrate stretchable or flexible circuitry, including arrays of active devices for enhanced sensing, diagnostic, and therapeutic capabilities. The invention enables conformal sensing contact with tissues of interest, such as the inner wall of a lumen, a the brain, or the surface of the heart. Such direct, conformal contact increases accuracy of measurement and delivery of therapy. Further, the invention enables the incorporation of both sensing and therapeutic devices on the same substrate allowing for faster treatment of diseased tissue and fewer devices to perform the same procedure.

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