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(71) Applicant: **MICROCHIPS, INC.** [US/US]; 6-B Preston Court, Bedford, MA 01730 (US).

(72) Inventors: **UHLAND, Scott, A.**; 982 South Street, Roslindale, MA 02131 (US). **POLITO, Benjamin, F.**; 69 Chestnut Street, Cambridge, MA 02139 (US). **MALONEY, John, M.**; 169 Msgr. O'Brien Hwy., #213, Cambridge, MA 02141 (US). **SHEPPARD, Norman, F., Jr.**; 6 Battle Flagg Road, Bedford, MA 01730 (US). **HERMAN, Stephen, J.**; 50 Sunset Rock Road, Andover, MA 01810 (US). **YOMTOV, Barry, M.**; 36 Gerald Road, Marblehead, MA 01945-2044 (US).

(74) Agents: **KING, Kevin, W.** et al.; Sutherland Asbill & Brennan LLP, 999 Peachtree Street, N.E., Atlanta, GA 30309-3996 (US).

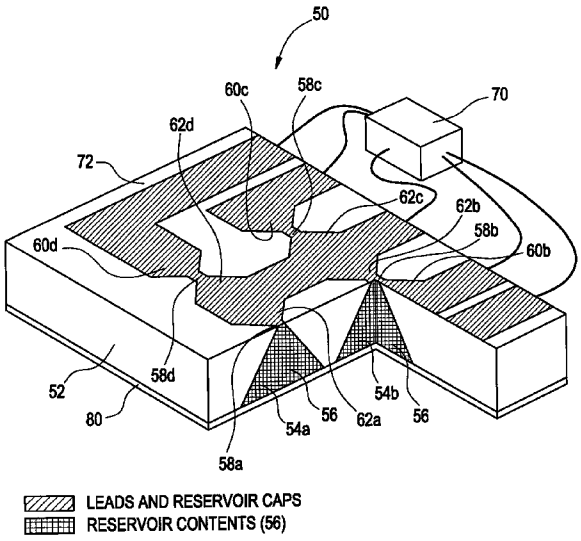
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(54) Title: CONTROLLED RELEASE DEVICE AND METHOD



(57) Abstract: Devices and methods are provided for the controlled release or exposure of reservoir contents. The device includes a reservoir cap formed of an electrically conductive material, which prevents the reservoir contents from passing out from the device and prevents exposure of the reservoir contents to molecules outside of the device; an electrical input lead connected to said reservoir cap; and an electrical output lead connected to said reservoir cap, such that upon application of an electrical current through the reservoir cap, via the input lead and output lead, the reservoir cap ruptures to release or expose the reservoir contents. The reservoir contents can comprise a release system containing drug molecules for release or can comprise a secondary device, such as a sensor. In one embodiment, the controlled release system is incorporated into an implantable drug delivery device.

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