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(71) Applicant (for all designated States except US): VGX PHARMACEUTICALS, INC. [US/US]; 450 Sentry Parkway, Blue Bell, PA 19422 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DRAGHIA-AKLI, Ruxandra [US/US]; 5215 Starkridge Drive, Houston, TX 77035 (US). KHAN, Amir, S. [US/US]; 8900 Rerseach Park Drive #1704, The Woodlands, TX 77381 (US). POPE, Melissa, A. [US/US]; 55 Thundercreek Place, The Woodlands, TX 77381 (US). BROWN, Patricia, A. [CA/US]; 1826 Cattle Drive, Magnolia, TX 77354 (US).

(74) Agents: LUCCI, Joseph, et al.; Woodcock Washburn LLP, 2929 Arch Street - 12th Floor, Philadelphia, PA 19104-2857 (US).

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(54) Title: ELECTROPORATION DEVICES AND METHODS OF USING SAME FOR ELECTROPORATION OF CELLS IN MAMMALS

(57) Abstract: Aspects of the present invention relate to electroporation devices and methods of using same to effectively facilitate the introduction of a biomolecule into cells of a selected tissue in a body, in particular skin such as intradermic or subcutaneous tissue. In some aspects, the present invention is a skin EP device, which produces a pulse of energy and delivers same to the skin tissue using a skin electrode array and maintains a constant current in the same skin tissue based on user input, including a preset current, and allows the storage and acquisition of current waveform data.