SYSTEMS AND METHODS FOR DELIVERING PULSED ELECTRIC FIELDS TO SKIN TISSUE

Tech ID: 25317 / UC Case 2016-026-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,183,163	01/22/2019	2016-026

BRIEF DESCRIPTION

Skin rejuvenation methods aim to remove damaged tissue and stimulate new growth of healthy collagen, skin cells, and elastin fibers. Currently the most popular therapies include percutaneous collagen induction (PCI) and laser therapies. PCI has a low side effect profile, but has very limited clinical data. Although laser treatments have good clinical data, they also have a poor side effect profile with many patients experiencing prolonged erythema, scaring, and dyspigmentation. The market needs a technology with fewer side effects, a better safety profile, lower cost, and one that is convenient enough to be sold over the counter.

UC Berkeley researchers have develeoped systems and methods for delivering electric fields in a manner that controls or promotes tissue repair, enhancement, and disinfection.

SUGGESTED USES

» Skin rejuventation

» Skin repair

ADVANTAGES

» repair or renewal pathways, without deleterious effects to desired tissue components, properties or processes, or non-target agents.

» antiseptic qualities of pulsed electric fields, providing for control of biological pathogens present in injured tissues or other infected sites.

CONTACT

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INVENTORS

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OTHER INFORMATION

CATEGORIZED AS

» **Medical**

» Disease: Dermatology

RELATED CASES

2016-026-0