

ABSTRACT

METHOD AND APPARATUS FOR TREATING BLOOD VESSEL IN SKIN

Herein, an apparatus for treating vessels in skin is disclosed. The present invention relates to a medical device comprising a plurality of electrodes that can be inserted in skin to deliver an electrical signal to a target vessel therein, an electrical signal generator electrically coupled to the plurality of electrodes, and a power supply unit for supplying power to the electrical signal generator. The present invention provides a therapeutic apparatus with which to reduce hypervascularity in the dermis or epidermis by generating thermal damage thereto or inducing phagocytosis or apoptosis of vascular cells in order to treat melasma, dermal melasma, hyperpigmentation, hypopigmentation, rosacea, flushing, erythema, or telangiectasia, thereby lowering the risk of excessive heating of the skin encountered in and reducing the rate of re-occurrence of rebounded vascularization associated with conventional LASER treatments for melasma, dermal melasma, hyperpigmentation, hypopigmentation, rosacea, flushing, erythema, or telangiectasia.

FIG. 3