Ultrasound-Based Treatment Methods for Therapeutic Treatment of Skin and Subcutaneous Tissues

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Description:
The disclosure provides a method and apparatus for noninvasive and minimally-invasive treatment of skin and subcutaneous tissues with ultrasound with or without nano- or microparticles. The treatment includes, but is not limited to, hair removal, skin rejuvenation (wrinkle removal), scar removal, treatment of spider veins and varicose veins, removal of birthmarks, acne treatment, wound treatment, abnormal pigmentation and stretch mark removal, abnormal tissues in skin and subcutaneous layers, and tattoo removal. Skin and subcutaneous tissues which can be treated with the methods described include, but are not limited to, the dermis, epidermis, subcutaneous fat, connective tissue, muscle tissue, blood vessels, scar tissues, tendons, and cartilage tissues, and abnormal tissues in skin and subcutaneous layers. The disclosure is especially applicable to hair removal and skin rejuvenation.


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