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61/981,660 18 April 2014 (18.04.2014) US(71) Applicant: **ULTHERA, INC.** [US/US]; 1840 S. Stapley Drive, Suite 200, Mesa, AZ 85204 (US).(72) Inventors: **EMERY, Charles, D.**; 1840 S. Stapley Drive, Suite 200, Mesa, AZ 85204 (US). **HOPE, Joshua, D.**; 1840 S. Stapley Drive, Suite 200, Mesa, AZ 85204 (US). **PETERSON, Michael, T.**; 1840 S. Stapley Drive, Suite 200, Mesa, AZ 85204 (US).(74) Agent: **ALTMAN, Daniel, E.**; Knobbe Martens Olson & Bear, LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (US).

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(54) Title: BAND TRANSDUCER ULTRASOUND THERAPY

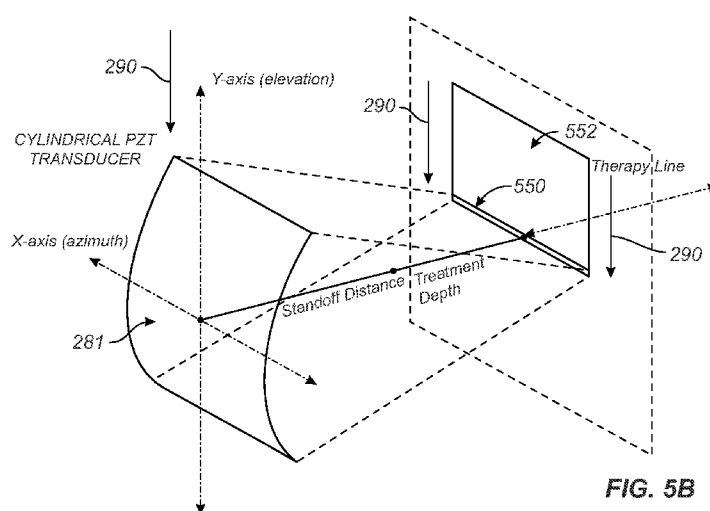


FIG. 5B

(57) Abstract: Embodiments of a dermatological cosmetic treatment and/or imaging system and method can include use of transducer to create a linear thermal treatment zone at a focal depth to form a band shaped treatment area. The system can include one or more ultrasound transducers, a cylindrical transduction element, an imaging element, a hand wand, a removable transducer module, a control module, and/or graphical user interface. In some embodiments, a coated transducer may be used to provide more consistent treatment in cosmetic procedures, including brow lifts, fat reduction, sweat reduction, and treatment of the décolletage. Skin tightening, lifting and amelioration of wrinkles and stretch marks are provided. Treatment may include heating of tissue for a duration to deactivate a percentage of cells in the treatment region.