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(72) Inventors: **ECKERT, Bradley, N.**; 1615 East Warner Rd., Ste 4, Tempe, AZ 85284 (US). **ECKERT, Bryon, K.**; 1615 East Warner Rd., Ste 4, Tempe, AZ 85284 (US). **TRUONG, Huan**; 1615 East Warner Rd., Ste 4, Tempe, AZ 85284 (US).

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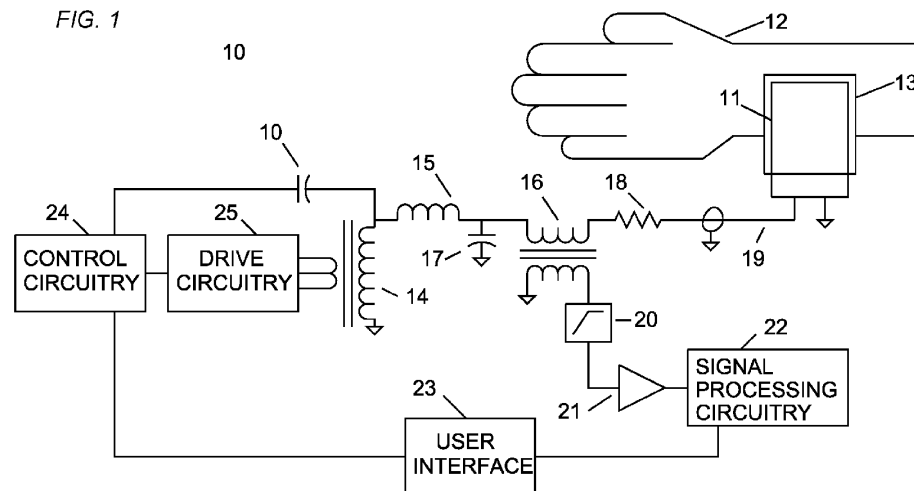
(71) Applicant: **CHISCAN HOLDINGS, LLC** [US/US];
10781 West Twain Avenue, Las Vega, NV 89135 (US).

(74) Agent: **TIETGEN, Benjamin, D.**; Quarles & Brady LLP, 2 N. Central Ave, Renaissance One, Phoenix, AZ 85004 (US).

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(54) Title: PUTATIVE ENERGY FIELD ANALYSIS USING NON-THERMAL PLASMA ARRAY

FIG. 1



(57) Abstract: A device for detecting and analyzing vital fields includes: a dielectric barrier discharge array fabricated on a thin substrate with low dielectric loss; an air permeable sheet for electrical insulation from the skin; a transformer for generating sufficient AC voltage to cause air breakdown in the array; a signal transformer and bypass capacitor for isolating the radio frequency current from the plasma discharge; circuitry for amplification and narrow-band spectrum analysis of the plasma discharge current. The amplified signal from the plasma discharge current is gated to include only signal from the part of the drive waveform where plasma discharge predominantly occurs. Frequency converters reduce the complexity of narrow-band spectrum analysis; spectrum analysis is done by Fast Fourier Transform analysis of the frequency converter outputs. The different FFT results are compared and analyzed to aid the user with the correct array placement on the body, and the detection of medical conditions.

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