

Title (en)
APPARATUS FOR THERAPEUTIC ELECTROMAGNETIC TREATMENT

Title (de)
VORRICHTUNG ZUR THERAPEUTISCHEN ELEKTROMAGNETISCHEN BEHANDLUNG

Title (fr)
APPAREIL POUR TRAITEMENT ELECTROMAGNETIQUE THERAPEUTIQUE

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Application
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Abstract (en)
[origin: WO9932193A1] This invention is a combined therapeutic treatment apparatus for coagulating blood in blood vessels underlying a skin treatment site, and for the destruction of hair follicles at the skin treatment site. The combined apparatus includes a first device (10) including an incoherent light source (14) operable to provide a pulsed light output onto the treatment site, a driver circuit (121) including a switch (GTO1) capable of being electrically turned on and off to thereby provide a first interval of light connected to the light source to control the pulse width, and delay between pulses. The combined apparatus includes a second device (300) including a coherent radiation source (301) adapted to emit radiation at a wavelength between 800 nanometer and 1,200 nanometers over an irradiation time between 1 millisecond and 100 milliseconds, to provide a cumulative treatment dose of between 10 Joules and 200 Joules per square centimeter of radiation, as measured at the treatment site.

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