CLAIMS

1. A treatment system for ~~facilitating the healing~~use in the treatment of a skin ulcer ~~on a treatment region of a body~~, said treatment system comprising:

an ultrasound apparatus, operative for transmitting ultrasound waves ~~to said~~ onto a skin ulcer treatment region; and

an electrical stimulation apparatus, operative for applying interferential electrical stimulation to said skin ulcer treatment region, simultaneously with the transmission of said ultrasound waves.

2. The system according to claim 1, wherein said skin ulcer comprises a diabetic ulcer.

3. The system according to claim 1, further comprising a massaging device, operative to massage said skin ulcer treatment region.

4. The system according to claim 1, wherein a gel is applied to said skin ulcer treatment region, said gel operative to facilitate the transmission of said ultrasound waves and the application of said interferential electric stimulation.

5. The system according to claim 1, wherein the operating intensity of said ultrasound waves is between 0.5 W/cm^2 and 3 W/cm^2.

gradually changing frequencies from a first frequency to a second frequency over various time durations; and

intermittently applying extreme frequencies within said frequency range.

15. The system according to claim 1, further comprising a measurement system comprising:

a camera, operative for imaging said skin ulcer;

a reference measurement ruler, positioned adjacent to said skin ulcer while said camera images said skin ulcer; and

a processor, operative for calculating at least one measurement of the surface area of ~~a region associated with~~ said skin ulcer treatment region, based on a comparative reference scale established using said reference measurement ruler.