

APPARATUS AND METHOD FOR PROMOTING WOUND HEALING

ABSTRACT OF THE DISCLOSURE

- 5 The system of the present invention uses inputs from EKG and PPG signals of blood flow at the end of the limb. To maximizes the PPG signal the system opens a series of valves in sequence, to inflate corresponding sequentially located cells wrapped circumferentially around the limb so that the most proximal cell inflates first, and its neighbor is inflated next. Fluid under pressure is supplied to the valves so that when opened, fluid enters the air cells and inflates them,
- 10 compressing the underlying limb sequentially, from proximal to distal, to push blood downstream. Negative pressure wound treatment is used in combination with compression or separately therefrom.

Fig. 1