

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511078352 A

(19) INDIA

(22) Date of filing of Application :18/08/2025

(43) Publication Date : 05/09/2025

(54) Title of the invention : WEARABLE THERAPEUTIC BELT

(51) International classification :A61B0005000000, A61F0007000000, G06N0003045000, A61B0005389000, G06F0001160000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

A wearable therapeutic belt, comprises of the control panel with temperature control buttons, multiple curved rack and pinion modules 106 enable the user to position the belt 101 over the desired body area, an angle determining sensor with an AI-enabled camera 103 to position the hinge joints ensuring the belt 101 conforms to the body's curves, multiple air-inflating bags 105 provides comfort to user, multiple Peltier modules 201 maintains ideal temperature within the air-inflating bags 105, multiple multispectral imaging sensors assess user's skin conditions, multiple iris diaphragms 202 with medication storage chambers 104 release medication onto the affected skin, an EMG measures the uterine muscle contractions in the user, a user interface allows the user to input and access information about the customization as per the requirements, a processing module configured with a deep learning module recommends heat therapy for abscesses, boils, fungal infections, and chronic wounds.

No. of Pages : 26 No. of Claims : 10