



(12) **United States Patent**  
Schmidt

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# ABSTRACT

(57) Embodiments enables a wearable phototherapy apparatus that produces beneficial effects to a human body such as activation of stem cells, improvement in strength, improvement in stamina, pain relief via a non-transdermal container. May include an optional transdermal container that releases or increases copper peptide GHK-Cu in a subject's body. The non-transdermal apparatus reflects or emits specific wavelengths of light to elevate levels of the copper peptide GHK-Cu in the body. The non-transdermal apparatus includes one or more materials that prevent the Left-Handed molecule from direct contact with the body while the enclosure is coupled to the body and prevents the Left-Handed molecules from entering the body.

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pg. 13

Embodiments of the invention generally relate to a wearable phototherapy apparatus that includes a non-transdermal container with Left-Handed molecules wherein the container reflects or emits specific wavelengths of light to stimulate nerves and in some embodiments, also acupuncture points. More particularly, but not by way of limitation, in one or more embodiments, the wearable phototherapy apparatus elevates specific peptides in a user including glycyl-L-histidyl-Lysine (GHK), which is also known as tripeptide-I and/or copper binding peptide glycyl-L-histidyl-Lysine (GHK-Cu), which is also known as copper peptide. More particularly, but not by way of limitation, in one or more embodiments, the wearable phototherapy apparatus produces beneficial effects in human beings and animals, in some embodiments as a result of elevating copper peptide, including activation of stem cells, improvements in energy, elevation of antioxidants, reduction in inflammation, management of pain, improvements in stamina, elevation of collagen production, improved wound healing and other beneficial health effects, e.g., in some cases as attributed to copper peptide as well as benefits associated with stimulating the nerves and in some embodiments, also acupuncture points with light.

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19 Claims, 11 Drawing Sheets



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