

Title (en)
SYSTEM FOR USING ELECTRICAL MUSCLE STIMULATION TO INCREASE BLOOD FLOW IN BODY PARTS

Title (de)
SYSTEM MIT ELEKTRISCHER MUSKELSTIMULATION ZUR ERHÖHUNG DER DURCHBLUTUNG IN KÖRPERTEILEN

Title (fr)
SYSTÈME POUR UTILISER LA STIMULATION ÉLECTRIQUE DES MUSCLES POUR AUGMENTER LE FLUX SANGUIN DANS DES PARTIES DU CORPS

Publication
EP 2453974 A4 20130522 (EN)

Application
EP 09847449 A 20090922

Priority
• US 2009057838 W 20090922
• US 22570309 P 20090715

Abstract (en)
[origin: WO2011008222A1] A system for stimulating muscles and increasing blood flow in one or more specific body parts is provided. This system includes at least one electrode adapted to be placed circumferentially around a body part, wherein the at least one electrode is operative to deliver electrical impulses sufficient to induce muscle contractions in the body part; at least one stimulation module in electrical communication with the at least one electrode, wherein the at least one stimulation module is operative to provide electrical impulses to the at least one electrode; and a control module in electrical communication with the at least one stimulation module, wherein the at least one control module is operative to control the characteristics of the electrical impulses.

IPC 8 full level
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Citation (search report)
• [X] US 2008097530 A1 20080424 - MUCCIO PHILIP [US], et al
• [X] WO 2006054118 A1 20060526 - BIOACCELERATE LTD [GB], et al
• [X] JP 2005052223 A 20050303 - UNIV GIFU
• [X] US 2003100932 A1 20030529 - CIAFF ROBERTO [GB]
• [X] US 2002188332 A1 20021212 - LURIE KEITH G [US], et al
• [X] US 6282448 B1 20010828 - KATZ AMIRAM [US], et al
• [X] US 5674262 A 19971007 - TUMEY DAVID M [US]
• [A] US 2007270917 A1 20071122 - NACHUM ZVI [IL]
• [A] US 2006276855 A1 20061207 - KLAPPROTH PETER [DE], et al
• [A] US 5871534 A 19990216 - MESSICK GENEVIEVE M [US], et al
• [A] US 4727878 A 19880301 - LEVINE SIMON P [US]
• See references of WO 2011008222A1

Citation (examination)
US 7403821 B2 20080722 - HAUGLAND MORTON [DK], et al

Designated contracting state (EPC)
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