

**SYSTEMS AND METHODS FOR AMBULATORY MONITORING OF
PHYSIOLOGICAL SIGNS**

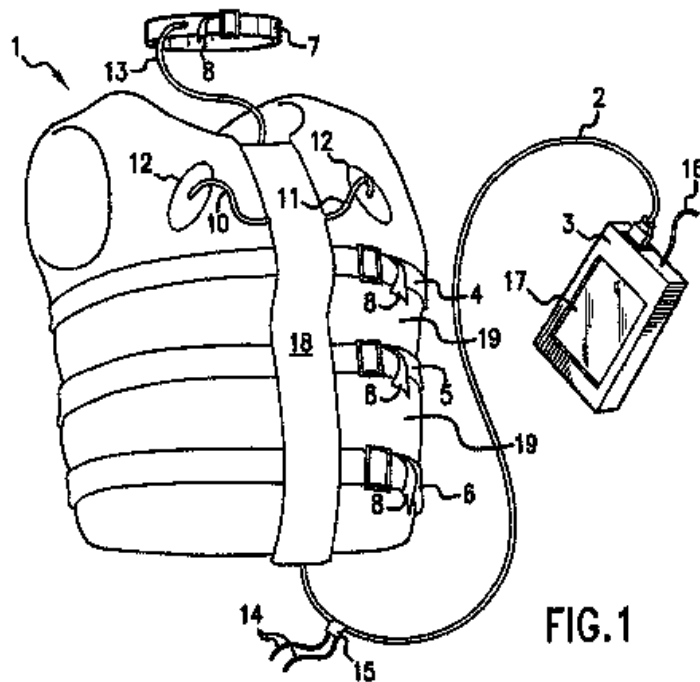
US2011087115

Date: 2011-04-14

Applicant(s) : ADIDAS

Abstract

The present invention relates to the field of ambulatory and non-invasive monitoring of a plurality of physiological parameters of a monitored individual. The invention includes a physiological monitoring apparatus with an improved monitoring apparel, the apparel having sensors for monitoring parameters reflecting pulmonary function and/or parameters reflecting cardiac function and/or parameters reflecting the function of other organ systems. The apparel is preferably also suitable for medical, athletic, and for other uses. The sensors include one or more inductive plethysmographic sensors positioned to monitor at least basic pulmonary parameters, and optionally also basic cardiac parameters. The sensors include one or more ECG sensor electrodes that preferably include a flexible, conductive fabric. The monitoring apparatus also includes an electronic unit for receiving data from the sensors and for storing the data in a computer-readable medium and/or wirelessly transmitted the data. The invention also includes systems for receiving, storing, and processing data generated by one or more physiological monitored apparatuses.



A TEXTILE PROSTHESIS

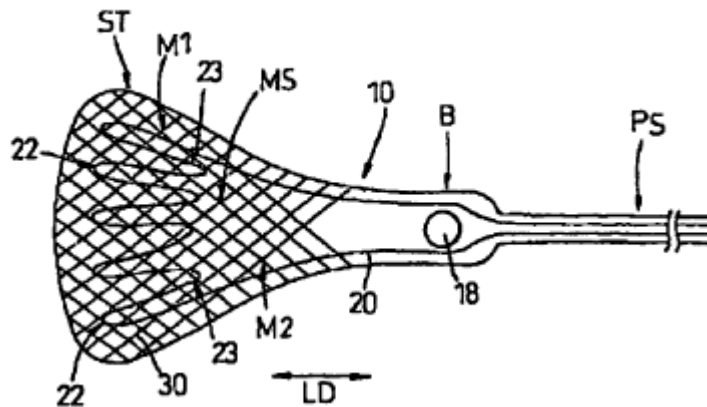
US2011054610

Date: 2011-03-03

Applicant(s) : Ellis Development

Abstract

A textile prosthesis comprising a unitary body of predetermined shape having structural integrity, the body including at least one anchorage body portion for attachment to an anatomical body part, the body being composed of a combination of binding yarns and tensile load bearing filaments, the binding yarns being located at least in the or in each of said anchorage body portions and being interconnected to one another by sewn stitches, the tensile load bearing filaments being located in-between said stitches so as to be constrained to extend through said unitary body along predetermined pathways extending in one or more predetermined directions so as to render the body resistance to stretch when a tensile load is applied in said one or more predetermined directions.



PATIENT ASSISTANCE DEVICE

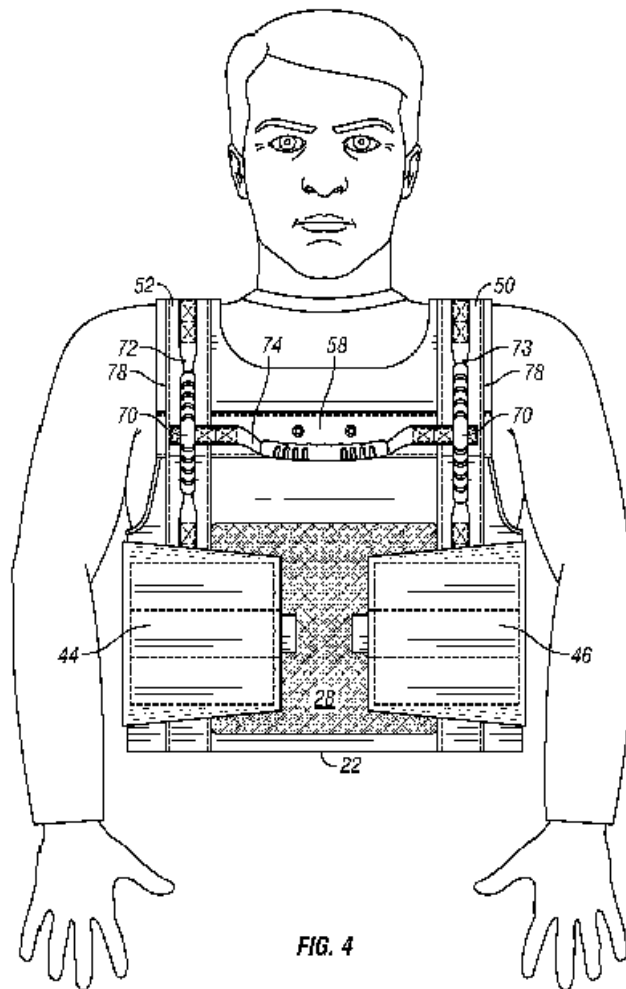
US7945976

Date: 2011-05-24

Applicant(s) : Ellis Development

Abstract

An improved device for assisting a caregiver in lifting and moving a patient. The device comprises a unitary garment member having a front panel section, a rear panel section and an interconnecting central or middle panel section. The device further includes a plurality of integral, reinforced support straps that enhance the structural integrity of the garment member. The rear panel section includes two flap portions extending laterally on opposing sides of the rear panel section. The two flap portions can be pulled forward and attached to the front panel section whereby the device becomes a vest-type garment that completely surrounds the patient's torso. The improved patient assistance device includes a plurality of strategically positioned hand holds, which provide enhanced leverage enabling a caregiver to more easily assist a patient wearing the device to move from one position to another.



PNEUMATIC COMPRESSION GARMENT WITH NOISE ATTENUATING MEANS

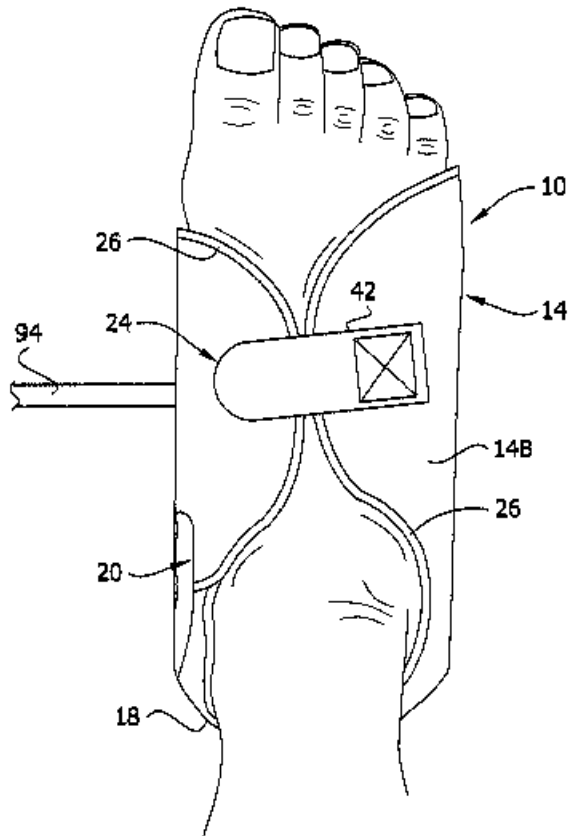
US2011077566

Date: 2011-03-31

Applicant(s) : Tyco Healthcare

Abstract

A compression garment for applying compression to a part of a wearer's body includes a flexible member, an inflatable bladder defining an inflatable chamber, a port for communication between a source of pressurized air and the inflatable chamber, and noise attenuating means. The noise attenuating means can include noise attenuating members on an air impingement surface of the inflatable chamber, or at least one air flow aperture in a delivery tube that delivers air into the inflatable chamber.



SHORT STRETCH THERAPEUTIC COMPRESSION DEVICE FOR THE EXTREMITY

US2011087145

Date: 2011-04-14

Applicant(s) : Farrow Medical Innovations

Abstract

A compression device to be wrapped around the distal extremity of a patient for use in moderate to severe swelling/lymphedema. The device includes a flexible planar compression material of preferably short-stretch compression material. Fasteners are attached to the first and second band portions. The compression material in preferred embodiment contains short-stretch compression material with 20%-60% stretch. The device is designed such that it may be used to augment compression to the hand when used in conjunction with compression to the fingers and arm. Device is designed to be applied easier with one hand. Hybrid compression device incorporates planar compression material and glove concepts into a novel new invention, designed to maximize manual dexterity, comfort, and range of motion while providing a very high level of compression to the dorsal and palmar hand. Device is intended for clinic, home, or hospital use for significant swelling of the hand or foot for medical conditions such as lymphedema and severe edemas. Device may also have benefit burn or postoperative patients or patients with swelling and wounds to the foot or hand, where clam-shell type hybrid compression gauntlet/glove design makes donning and doffing of garment easier for fragile tissues to the dorsal and plantar hand areas, or dorsal/plantar foot areas.

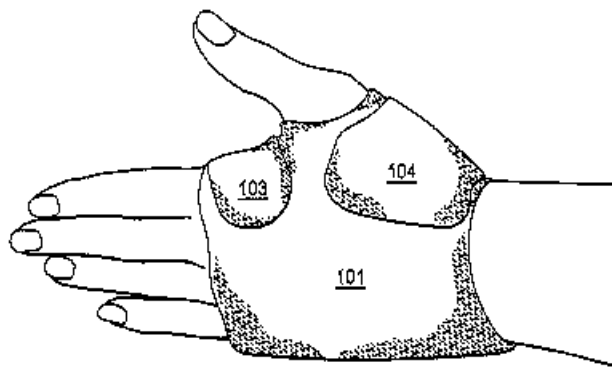


Fig. 4a

COMPRESSION BANDAGE SYSTEM

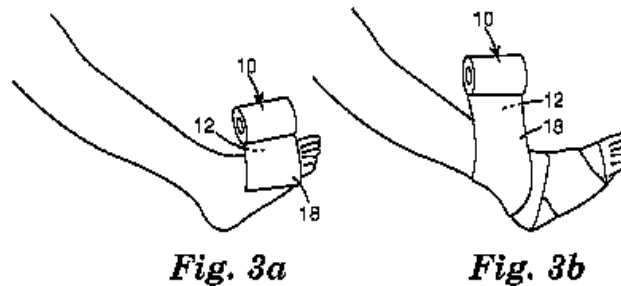
US2011071453

Date: 2011-03-24

Applicant(s) : 3M

Abstract

A compression bandaging system includes inner and outer bandages. The inner bandage is an inner skin facing, elongated, elastic bandage and includes an elongated, elastic substrate and an elongated foam layer affixed to a face of the substrate. The outer bandage is an outer, elongated, self-adhering elastic bandage having a compressive force when extended. In use, the outer bandage overlies the inner bandage.



WOUND DRESSING

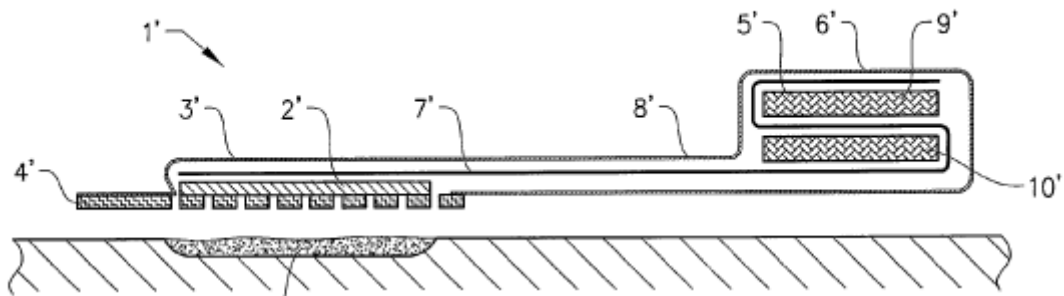
EP2282708

Date: 2011-10-19

Applicant(s) : Mölnlycke

Abstract

The present invention relates to a wound dressing including a first wound pad and a first cover layer covering the first wound pad and extending beyond the first wound pad around the circumference thereof. According to the invention a second wound pad is disposed outside the first cover layer and enclosed in a second cover layer. Furthermore, the first and second wound pads are connected to each other by liquid transferring means.



WEARABLE ARTICLE THAT STIFFENS UPON SUDDEN FORCE

WO2011080678

Date: 2011-07-07

Applicant(s) : Kimberly Clark

Abstract

A wearable article made from a nonwoven fabric that includes a plurality of coated fibers. The coated fibers have an exterior surface and a coating composition on at least a portion of the exterior surface. The coating composition includes an aminofunctionalized silane and a dialdehyde, where the weight percent of the dialdehyde in the coating composition is greater than the weight percent of the silane in the coating composition. The wearable article can be a wrap, brace, support, compression hosiery, bandage or compress. When worn, the wearable article is initially flexible but becomes rigid and stiff when the coated fibers experience a sudden force or impact. The wearable article does not include a fluid.

