

Title (en)
METHOD AND APPARATUS FOR TESTING THE EFFICACY OF PATIENT SUPPORT SYSTEMS

Title (de)
VERFAHREN UND GERÄT ZUR PRÜFUNG DES WIRKUNGSGRADES VON PATIENTENLAGERUNGSSYSTEMEN

Title (fr)
PROCEDE ET APPAREIL CORRESPONDANT PERMETTANT DE TESTER L'EFFICACITE DE STRUCTURES DE SOUTIEN DE PERSONNES

Publication
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Application
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Priority
US 9700813 W 19970108

Abstract (en)
[origin: CA2266725A1] This invention is an anthropomorphic model (10) for ascertaining the presence of certain forces within flexible human skin material covering the model. The anthropomorphic model can simulate the major dynamic characteristics of a human. The anthropomorphic model is adaptably representative of specific classes of human body form as regards body build, and including flexible human skin simulating materials including a cutaneous region, and a subcutaneous region covering at least parts of the model. The anthropomorphic model includes sensing means (32, 33, 34) located within the flexible human skin simulating materials for measuring physical parameters such as pressure, shear and friction forces acting on the anthropomorphic model, and means for detecting signals from the sensing means for ascertaining at least one of the pressure, shear and friction forces existing within the flexible skin simulating materials. The anthropomorphic model may be used to test the efficacy of support structures in the prevention and treatment of decubitus or pressure ulcers and related conditions.

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Citation (search report)

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- See references of WO 9830995A1

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