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(71) Applicant: ENHANCED SURFACE DYNAMICS, INC. [US/US]; 42 Richland Road, Wellesley, MA 02481 (US).

(54) Title: PRESSURE MAPPING AND 3-D REPOSITIONING FOR PREVENTING PRESSURE WOUNDS

(57) Abstract: A pressure wound prevention system operable to prompt at least one caregiver to reposition a subject at risk of developing a pressure wound. The system includes a pressure-detection surface comprising a plurality of pressure sensors configured to monitor pressure exerted upon the pressure-detection surface by the subject as well as orientation sensors configured to monitor an angle of the pressure-detection surface. A processor is operable to interpret and analyze data from the sensors and to provide indications to a caregiver when the subject requires repositioning.

Fig. 3C

Published:
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INTERNATIONAL SEARCH REPORT

International application No.
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A: CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61B 5/00, 5/03, 5/103; A61G 7/00, 7/057; G06F 15/00, 17/00, 17/50, 19/00; G01L 1/14 (2014.01)
USPC - 600/587; 702/57, 64, 65, 98; 703/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8): A61B 5/00, 5/03, 5/103; A61G 7/00, 7/057; G06F 15/00, 17/00, 17/50, 19/00; G01L 1/14, 5/00, 13/00, 13/02, 13/06 (2014.01)
USPC: 600/587; 702/57, 64, 65, 98; 703/2

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED ⊗ BE RELEVANT

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<tr>
<th>Category</th>
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<th>Relevant to claim No.</th>
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<td>A</td>
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