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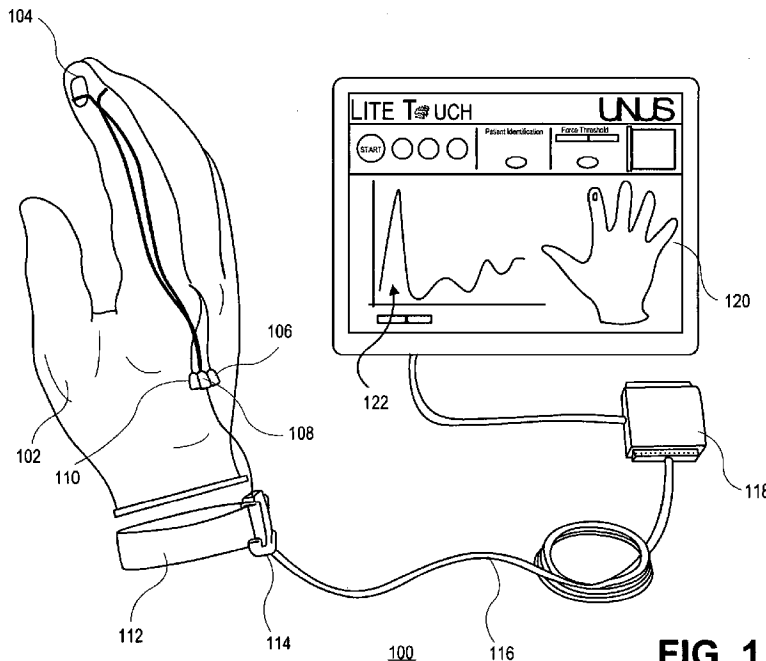
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[Continued on next page]

(54) Title: CLINICAL FORCE SENSING GLOVE



**FIG. 1**

(57) Abstract: A clinical sensing glove system to quantify force, shear, hardness, etc., measured in manual therapies is disclosed. A sensor is disposed in a clinical glove. The sensor undergoes micro-bending, macro-bending, evanescent coupling, a change in resonance, a change in polarization, a change in phase modulation, in response to pressure/force applied. The amount of micro-bending, macro-bending, evanescent coupling, change in resonance, change in polarization, and/or change in phase modulation is proportional to the intensity of the pressure/ force. A clinician can quantitatively determine the amount of pressure, force, shear, hardness, rotation, etc., applied.

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**A. CLASSIFICATION OF SUBJECT MATTER***A61B 5/02(2006.01)i, A61B 5/22(2006.01)i*

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)

IPC8: A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975  
Japanese Utility models and applications for Utility models since 1975

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

eKIPASS(KIPO internal) "glove, force, sensor, optical fiber, flexible"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0183734 A1 (MORIHISA FUKUSHI et al.) 9 August 2007 see abstract, paragraphs 40-52, and figures 1-6	1-37
A	US 2007-0167844 A1 (HARUHIKO H. ASADA et al.) 19 July 2007 see abstract, paragraphs 47-52, and figures 2,5	1-37
A	US 2008-0076995 A1 (CARINE HOARAU) 27 March 2008 see abstract, paragraphs 58-63, and figures 1-5	1-37
A	US 6,589,171 B2 (RICHARD S. KEIRSBILCK) 8 July 2003 see abstract, column 4 lines 9-28, column 6 lines 25-43, and figures 1,2,10	1-37

 Further documents are listed in the continuation of Box C. See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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