

Title (en)

APPARATUS AND METHOD FOR MEASURING A BODY PART

Title (de)

VORRICHTUNG UND VERFAHREN ZUR MESSUNG EINES KÖRPERTEILS

Title (fr)

APPAREIL ET PROCÉDÉ DE MESURE D'UNE PARTIE DU CORPS

Publication

EP 2488102 A2 20120822 (EN)

Application

EP 10763236 A 20100914

Priority

- US 25175809 P 20091015
- IB 2010054142 W 20100914

Abstract (en)

[origin: WO2011045689A2] An apparatus for measuring a characteristic of a body part, such as an infant's head, includes a flexible substrate, a plurality of sensing elements provided along the substrate, and an electronic system. Each of the sensing elements (i) has a component wherein an electrical characteristic of the component changes predictably in response to the component being bent, and (ii) provides a signal that is indicative of the current value of the electrical characteristic. The electronic system is structured to receive the signal of each sensing element and determine a measure of a degree of curvature of the sensing element based on the received signal. The electronic system is also structured to determine, based one or more of the measures, a representation of a curvature of a segment, such as a loop, defined by a selected one or more of the sensing elements.

IPC 8 full level

A61B 5/103 (2006.01); **A61B 5/107** (2006.01); **G01B 7/28** (2006.01)

CPC (source: EP)

A61B 5/107 (2013.01); **A61B 5/1071** (2013.01); **A61B 5/6814** (2013.01); **A61B 2562/02** (2013.01); **A61B 2562/043** (2013.01)

Citation (search report)

See references of WO 2011045689A2

Citation (examination)

US 4213348 A 19800722 - REINERTSON JOHN E [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011045689 A2 20110421; **WO 2011045689 A3 20110623**; BR 112012008497 A2 20190924; CN 102686157 A 20120919; EP 2488102 A2 20120822; JP 2013508002 A 20130307

DOCDB simple family (application)

IB 2010054142 W 20100914; BR 112012008497 A 20100914; CN 201080046200 A 20100914; EP 10763236 A 20100914; JP 2012533711 A 20100914