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(54) Title: A DISTRIBUTED SYSTEM FOR BIOSENSING

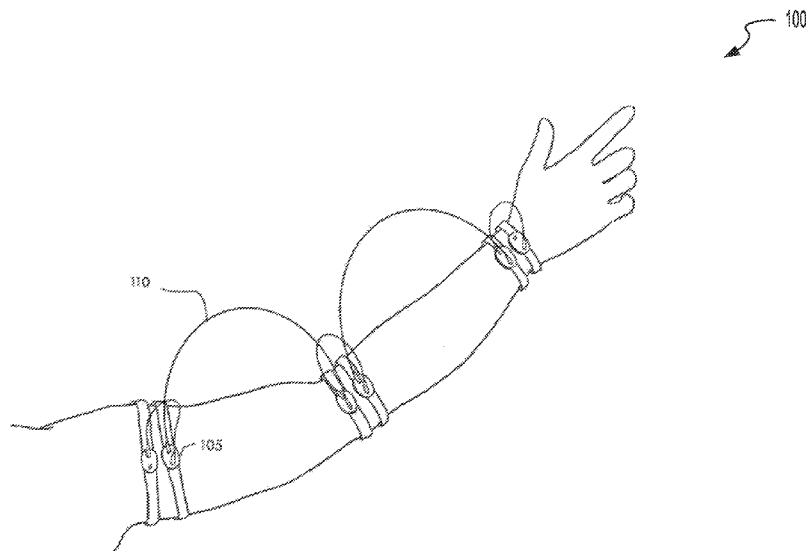


FIG. 1

(57) Abstract: A system can include an array holder. The system can include a plurality of sensing cells. Each of the plurality of sensing cells can include a housing configured to mechanically couple with the array holder, at least one processor disposed in the housing, a first hydrogel disposed in the housing and configured to mechanically and electrically couple with a patient, and a second hydrogel disposed in the housing and configured to electrically couple with the array holder.



LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
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A. CLASSIFICATION OF SUBJECT MATTER

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CPC - INV. A61B 5/282, A61B 5/259

ADD. A61B 2562/16, A61N 1/0496, A61B 2560/0468, A61B 2562/14

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)

See Search History document

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

See Search History document

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

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2013/0116531 A1 (Neuronetrix Solutions, LLC) 09 May 2013 (09.05.2013), entire document	1-20
A	US 2021/0346693 A1 (Novocure GmbH) 11 November 2021 (11.11.2021), entire document, especially Abstract; Fig. 4; para [0111], [0205], [0214], [0233]	1-20
A	US 2019/0046033 A1 (Blue Spark Technologies, Inc.) 14 February 2019 (14.02.2019), entire document, especially Fig. 10	1-20
A	US 2020/0237249 A1 (Zeto, Inc.) 30 July 2020 (30.07.2020), entire document, especially Fig. 29-36; para [0296]	1-20
A	US 10,939,870 B2 (Murata Vios, Inc.) 09 March 2021 (09.03.2021), entire document	1-20
A	US 2017/0049353 A1 (LKC Technologies Inc.) 23 February 2017 (23.02.2017), entire document	1-20
A	US 2021/0113109 A1 (Medicomp, Inc.) 22 April 2021 (22.04.2021), entire document	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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