Systems and methods for collecting, analyzing, and reporting information relating to comprehensive medical information from one or more users are disclosed. In some aspects, a system for collecting and analyzing medical data includes a data management system for collecting and storing medical information relating to a user, and a knowledge creation engine in communication with the data management system and configured to analyze the stored medical information for creating at least one of personalized medical advice for the user and general scientific information relating to a medical condition. A display in communication with the data management system and the knowledge creation engine can be configured to present a digital representation of the user based on the stored medical information including electronic health record (EHR), patient reported outcomes (PROs), biological samples, wearable devices, sensors, medical devices, and dynamic questionnaires to create a digital representation of the user.
(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

- Eurasian: (AM, AZ, BY, KG, KZ, RU, TJ, TM)
- European: (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SK, SI, SM, TR)
- OAPI: (BF, BJ, CF, CG, CI, CM, GA, GN, GW, KM, ML, MR, NE, SN, TD, TG)

Published:

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A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06Q 50/00 (2019.01)
CPC - G06Q 50/24, G06Q 50/22, G06F 19/322, G06Q 40/08, G06Q 10/10, G06Q 10/10, G06F 19/345, G06F 19/3487, G06F 19/3406

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

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 20150161331 A1 (Oleynek) 11 June 2015 (11.06.2015) entire document (especially Figs. 1, 2, 3A, 3B, 15, 18, Abstract &amp; para [0006]-[0011], [0055], [0056], [0059], [0062]-[0064], [0069]-[0077], [0121], [0130], [0131], [0134], [0138]-[0140], [0172]-[0174]).</td>
<td>1, 4-8, 11-13, 16-20, 22, 23</td>
</tr>
<tr>
<td>Y</td>
<td>US 20170262604 A1 (Revon Systems, Inc.) 14 September 2017 (14.09.2017) entire document (especially Figs. 1, 2 &amp; para [0008], [0017], [0018], [0022], [0038], [0066], [0119], [0136], [0162], [0163], [0187], [0188], [0384], [0385], [0441]).</td>
<td>2, 3, 9, 10, 14, 15, 21</td>
</tr>
</tbody>
</table>


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

* Special categories of cited documents:
  "A" = document defining the general state of the art which is not considered to be of particular relevance
  "E" = earlier application or patent published on or after the international filing date
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