Title (en)
PHYSIOLOGIC DATA ACQUISITION AND ANALYSIS

Title (de)
ERFASSUNG UND ANALYSE PHYSIOLOGISCHES DATEN

Title (fr)
ACQUISITION ET ANALYSE DE DONNÉES PHYSIOLOGIQUES

Publication
EP 2987106 A1 20160224 (EN)

Application
EP 14785516 A 20140418

Priority
- US 201361813295 P 20130418
- US 201361832715 P 20130607
- US 201361836560 P 20130618
- US 201361872494 P 20130830
- US 201414206109 A 20140312
- US 201461978632 P 20140411
- US 2014034706 W 20140418

Abstract (en)
[origin: WO2014172671A1] The availability of high quality imagers on smartphones and other portable devices facilitates creation of a large, crowd-sourced, image reference library that depicts skin rashes and other dermatological conditions. Some of the images are uploaded with, or later annotated with, associated diagnoses or other information (e.g., "this rash went away when I stopped drinking milk"). A user uploads a new image of an unknown skin condition to the library. Image analysis techniques are employed to identify salient similarities between features of the uploaded image, and features of images in this reference library. Given the large dataset, statistically relevant correlations emerge that identify to the user certain diagnoses that may be considered, other diagnoses that may likely be ruled-out, and/or anecdotal information about similar skin conditions from other users. Similar arrangements can employ audio and/or other physiologically-derived signals. A great variety of other features and arrangements are also detailed.

IPC 8 full level
G06T 7/00 (2006.01); **G06F 19/00** (2011.01)

CPC (source: EP US)
G06T 7/0014 (2013.01 - EP US); **G16H 50/70** (2017.12 - EP); **G16H 70/60** (2017.12 - EP US); G06T 2207/10024 (2013.01 - EP);
G06T 2207/30088 (2013.01 - EP); **G16H 30/20** (2017.12 - EP US); **G16H 50/20** (2017.12 - EP); Y02A 90/10 (2017.12 - EP)

Cited by
US10083369B2

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014172671 A1 20141023; CN 105393252 A 20160309; CN 105393252 B 20190419; EP 2987106 A1 20160224; EP 2987106 A4 20161214

DOCDB simple family (application)
US 2014034706 W 20140418; CN 201480028890 A 20140418; EP 14785516 A 20140418