Registro 1 de 1

Patent Number(s): WO2013184289-A1; US2013332070-A1; US9429431-B2; US2017045372-A1

Title: Method for presenting map information to visually impaired user by e.g. mobile electronic device, involves providing non-visual output i.e. audio output, which indicates whether geographic location coincides with determined path

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Abstract: NOVELTY - The method involves accessing a map, where the map includes a set of paths. An input is received via an input component i.e. touchscreen, of a mobile electronic device (115) from a visually impaired user (105). An input-space point within an input space is determined corresponding to the input. The input-space point is associated with a geographic location identified by the map. A determination is made whether the location coincides with a path of the set of paths. Non-visual output i.e. audio signal (125), which indicates whether the geographic location coincides with the path, is provided.

USE - Method for presenting map information to a user i.e. visually impaired user, by a mobile electronic device (claimed). Uses include but are not limited to cellular phone, laptop computer, iPod (RTM: portable media player), iPhone (RTM: smartphone) and iPad (RTM: tablet computer).

ADVANTAGE - The method enables providing non-visual output i.e. audio signal output, which indicates whether the geographic location coincides with the path of a set of paths, to the visually impaired user such that the visually impaired user is informed about a path's trajectory where paths intersect and/or points of interests are located. The non-visual output can provide indications about nearby streets and locations while assisting the user in understanding how to follow a street on a screen such that the user can understand a trajectory of the street.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a mobile electronic device.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view illustrating a system for providing map data to visually impaired users.

System for providing map data to visually impaired users (100)

Visually impaired user (105)

Pavement (110)

Mobile electronic device (115)

Audio signal (125)

Drawing:

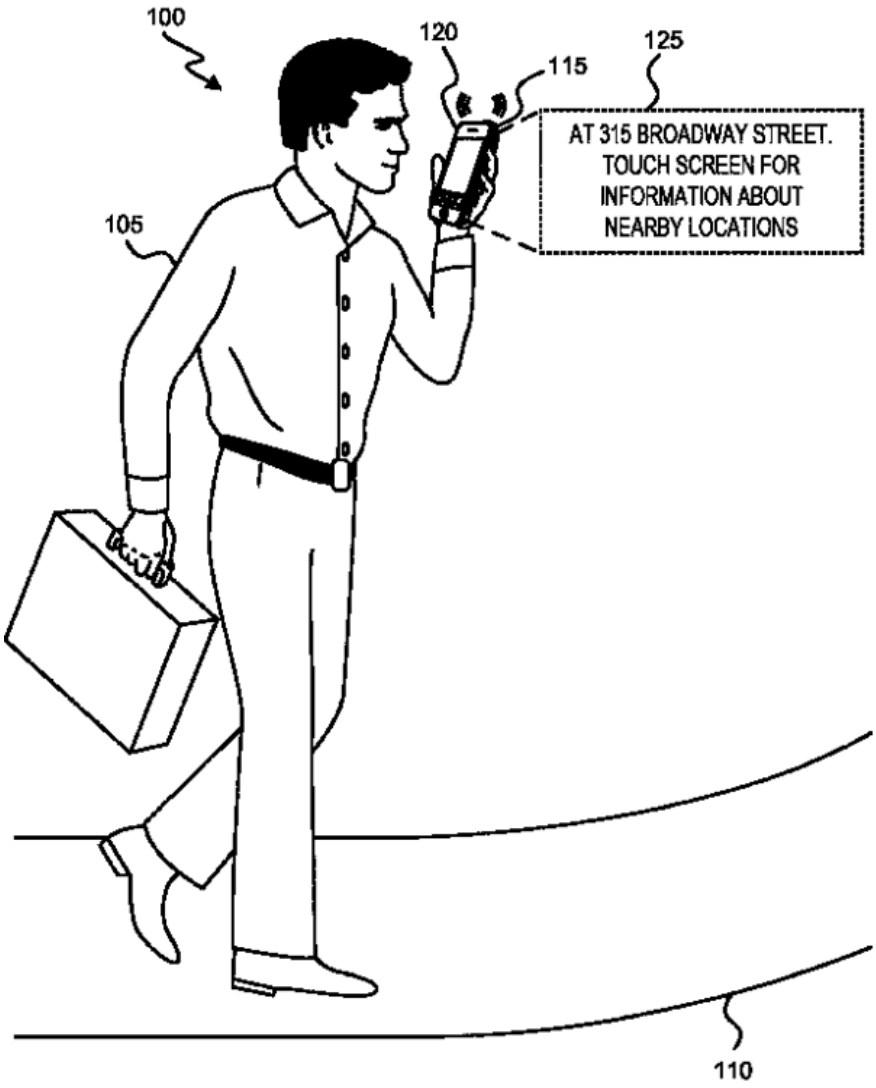

FIG. 1

Derwent Class Code(s): S02 (Engineering Instrumentation, recording equipment, general testing methods)

Derwent Manual Code(s): S02-B08E; S02-B08G

IPC: G01C-021/20; G01C-021/34; G01C-021/36; G01G-021/00; G06F-003/01; G06F-003/0488; G06F-003/16

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US9429431-B2	30 Aug 2016	G01G-021/00	201657		English
US2017045372-A1	16 Feb 2017	G01C-021/36	201714		English

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US2013332070-A1	US605407	06 Sep 2012
US9429431-B2	US605407	06 Sep 2012
US2017045372-A1	US249228	26 Aug 2016

Further Application Details:

US2013332070-A1	Provisional	Application	US657245P
US9429431-B2	Provisional	Application	US657245P
US2017045372-A1	Provisional	Application	US657245P
US2017045372-A1	Cont of	Application	US605407
US2017045372-A1	Cont of	Patent	US9429431

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MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SC; SD; SE; SG; SK; SL; SM; ST; SV; SY; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

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	EP2133663-A1	IL VILLAGE SPA (ILVI-Non-standard)	DE PAOLI A
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