

Title (en)  
Method and device for the guidance of visually impaired or blind persons

Title (de)  
Verfahren und Einrichtung zur Führung von Sehbehinderten und Blinden

Title (fr)  
Méthode et dispositif pour le guidage des malvoyants ou aveugles

Publication  
**EP 0997131 A3 20040102 (DE)**

Application  
**EP 99119418 A 19990930**

Priority  
DE 19850056 A 19981030

Abstract (en)  
[origin: EP0997131A2] The method involves using a GSM-UMTS receiver (10) worn on the body for radio waves contg. stored routes and in communication with the person via a speech output. The receiver has a sensor (13) that operates with a fan-shaped directional characteristic that is dynamically-periodically controlled in the direction of motion of the wearer. Signals received from the surroundings by the sensor are converted in the receiver, which is connected to base stations and activates a location algorithm and announces dynamic locality information using speech. The user can perform functions including switching on and off, tuning, etc. via a speech input. An Independent claim is also included for an arrangement for implementing the method.

IPC 1-7  
**A61H 3/06**; G09B 21/00; G01S 17/87; G01S 13/86; G01S 17/46; G01S 5/00

IPC 8 full level  
**A61H 3/06** (2006.01)

CPC (source: EP)  
**A61H 3/061** (2013.01); **A61H 3/068** (2013.01)

Citation (search report)  
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• [A] US 4207959 A 19800617 - CLAGNAZ MARIO W JR [US], et al  
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• [A] MAKINO H ET AL: "Development of navigation system for the blind using GPS and mobile phone combination", ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, 1996. BRIDGING DISCIPLINES FOR BIOMEDICINE., 18TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE AMSTERDAM, NETHERLANDS 31 OCT.-3 NOV. 1996, NEW YORK, NY, USA,IEEE, US, 31 October 1996 (1996-10-31), pages 506 - 507, XP010262139, ISBN: 0-7803-3811-1

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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0997131 A2 20000503**; **EP 0997131 A3 20040102**; **EP 0997131 B1 20060104**; AT E314837 T1 20060215; DE 19850056 A1 20000504; DE 59913012 D1 20060330

DOCDB simple family (application)  
**EP 99119418 A 19990930**; AT 99119418 T 19990930; DE 19850056 A 19981030; DE 59913012 T 19990930