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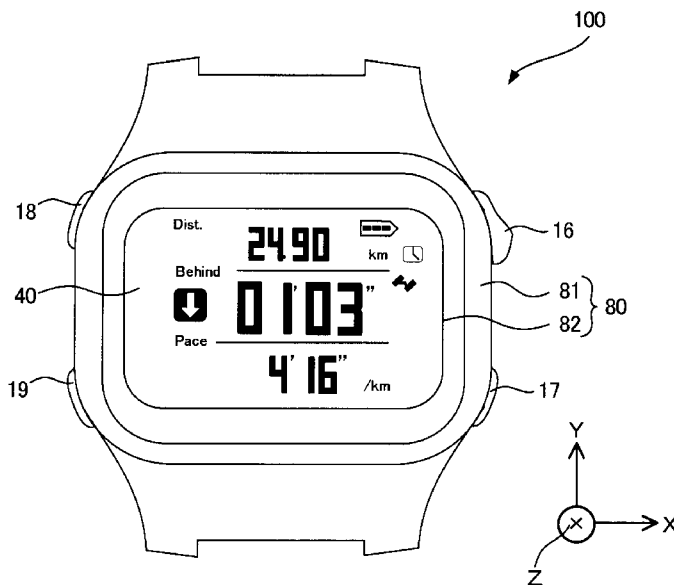
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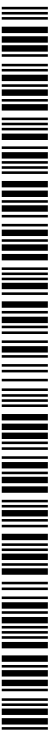
[Continued on next page]

(54) Title: PORTABLE DEVICE INCLUDING AN ACCELERATION SENSOR CAPABLE OF DETECTING ACCELERATIONS IN THREE-AXIS DIRECTIONS

[Fig. 2]



(57) Abstract: A portable device includes an acceleration sensor capable of detecting accelerations in three-axis directions. When a GPS radio wave is receivable by a GPS module, the portable device stores, using an MCU, a correlation between a body vibration frequency detected by the acceleration sensor and speed information grasped by processing a signal included in the GPS radio wave in a flash ROM. When a reception state of the GPS radio wave does not satisfy a predetermined standard, the portable device estimates running speed using the MCU on the basis of the body vibration frequency detected by the acceleration sensor 38 and the correlation stored in the flash ROM.



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INTERNATIONAL SEARCH REPORT

International application No  
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According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)  
H04W A63B

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2006/136173 A1 (CASE CHARLES W JR [US] ET AL CASE JR CHARLES WHIPPLE [US] ET AL) 22 June 2006 (2006-06-22) paragraphs [0007], [0038] - [0063]; figure 1 paragraphs [0017] - [0139]; figure 6	1-8
X	US 2008/214360 A1 (STIRLING ROSS G [CA] ET AL) 4 September 2008 (2008-09-04) paragraphs [0006], [0032] - [0070]; figures 5,9 paragraphs [0130] - [0134]	1-8
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Date of the actual completion of the international search  13 January 2014	Date of mailing of the international search report  22/01/2014
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Günther, Steffen
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International application No  
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	<p>Worksmart Labs ET AL: "About - WorkSmart CardioTrainer", 18 June 2012 (2012-06-18), XP055095714, Retrieved from the Internet: URL:https://web.archive.org/web/20120618200259/http://www.worksmartlabs.com/cardiotrainer/about.php [retrieved on 2014-01-10] the whole document -----</p>	1-8

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