

Title (en)
Method and apparatus for determination of the efficiency of a running style

Title (de)
Verfahren und Gerät zur Betimmung der Effizienz eines Laufstils

Title (fr)
Procédé et dispositif de determination de l'efficacité de la foulée d'un coureur

Publication
EP 1754521 A1 20070221 (FR)

Application
EP 05107497 A 20050816

Priority
EP 05107497 A 20050816

Abstract (en)
The method involves measuring instantaneous accelerations of a runner, in frontal, lateral and vertical directions, by using three dimensional accelerometers (10) placed at the proximity of a center of gravity of the runner. An information is obtained which represents a runner's mean frontal velocity measured by a portable device comprising the accelerometers. An index is calculated which is represented as a ratio between a function of instantaneous accelerations of vertical, lateral and frontal directions and a function of frontal velocity. Information representing the index is produced. An independent claim is also included for a device for determination of an index of an effectiveness or ineffectiveness of stride.

IPC 8 full level
A63B 69/00 (2006.01)

CPC (source: EP)
A63B 69/0028 (2013.01); **A63B 2220/40** (2013.01)

Citation (applicant)
EP 1586353 A1 20051019 - SUISSE ELECTRONIQUE MICROTECH [CH]

Citation (search report)
• [X] EP 1253404 A2 20021030 - LADETTO QUENTIN [CH], et al
• [A] US 6135951 A 20001024 - RICHARDSON J JEFFREY [US], et al
• [A] EP 1066793 A2 20010110 - DYNASTREAM INC [CA]
• [A] WO 2005037103 A1 20050428 - M B T L LTD [AU], et al
• [A] US 4830021 A 19890516 - THORNTON WILLIAM E [US]
• [A] US 6876947 B1 20050405 - DARLEY JESSE [US], et al

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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