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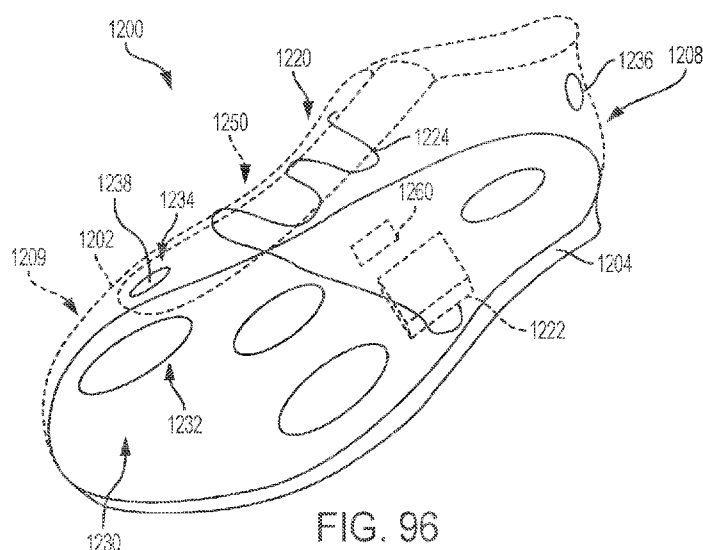
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(54) Title: FOOTWEAR WITH MOTORIZED LACING AND GESTURE CONTROL



(57) Abstract: An article of footwear includes a motorized tensioning system, sensors, and a gesture control system. Based on information received from one or more sensors the gesture control system may detect a prompting gesture and enters an enabled mode for receiving further instructions. In the enabled mode the system may detect a variety of different control gestures that correspond to different tensioning commands.

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2017/021922**A. CLASSIFICATION OF SUBJECT MATTER****A43B 3/00(2006.01)i, A43C 11/16(2006.01)i, G01L 1/20(2006.01)i, G05B 15/02(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A43B 3/00; B65H 59/38; A43C 11/00; A43B 5/00; A63F 9/24; A43B 13/14; G09G 5/00; A63F 13/00; A43C 11/16; G01L 1/20; G05B 15/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords:gesture, tap, click, enable mode, prompting gesture, control gesture, tensioning device, footwear**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011-0199393 A1 (NURSE, MATTHEW A. et al.) 18 August 2011 See claims 1, 8-11, 14, 18, 26; and paragraph [0036].	1-41
A	US 2014-0070042 A1 (NIKE, INC.) 13 March 2014 See the entire document.	1-41
A	US 2010-0154255 A1 (ROBINSON, DOUGLAS K. et al.) 24 June 2010 See the entire document.	1-41
A	US 2010-0035688 A1 (PICUNKO, ROBERT) 11 February 2010 See the entire document.	1-41
A	US 2009-0272007 A1 (BEERS, TIFFANY A. et al.) 05 November 2009 See the entire document.	1-41



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

07 June 2017 (07.06.2017)

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Name and mailing address of the ISA/KR

International Application Division

Korean Intellectual Property Office

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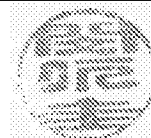


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