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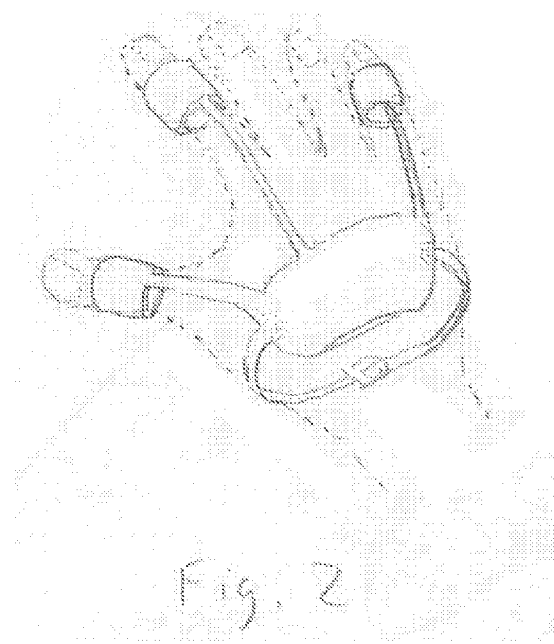
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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR HUMAN CENTRIC ARCHITECHTURE



(57) Abstract: This invention purposes a device physical interaction virtualization technology that allow simulating the physical interaction of user with (multiple) input device(s) with a single (universal) wearable platform. This invention also purpose a unique human centric "Hyper UI" that could serve as an integration point with multiple devices intuitive "high speed/parallel" input/interaction capabilities between human and devices. This invention also includes methods and apparatus (which can be used by other wearable for purpose of gesture related input /output) to integrate with other mobile/wearable(s) such as but not limit to smart watch / smart phone for providing natural/intuitive, context aware gesture input, single hand operation & high speed parallel input/interaction (could be b-directional with feedback such as tactile/pressure pattern as well as with visual/audio feedback) To facilitate more versatile usage and function extension, the proposed wearable apparatus (glove-like wearable) might also have modular design making the platform (plug-able) and can be easily cleaned/maintained or extended with new hardware.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

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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)

G06F

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)

DWPI, CNTXT, SIPOABS, CNKI: haptic, virtual, sensor, remote, interaction, VR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5832296 A (INTERVAL RESEARCH CORP.) 03 November 1998 (1998-11-03) claims 8-14	1
A	US 2011210931 A1 (RINGBOW LTD.) 01 September 2011 (2011-09-01) the whole document	1-8
A	CN 103823551 A (ZHEJIANG UNIVERSITY) 28 May 2014 (2014-05-28) the whole document	1-8



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

“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“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

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“&” document member of the same patent family

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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