

(12) 按照专利合作条约所公布的国际申请

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(81) 指定国(除另有指明, 要求每一种可提供的国家
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GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS,
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RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

(54) Title: SHORTCUT MANIPULATION METHOD AND APPARATUS BASED ON USER BEHAVIOR, AND DEVICE/TERMINAL/SERVER

(54) 发明名称: 一种基于用户行为的快捷操控方法、装置和设备/终端/服务器

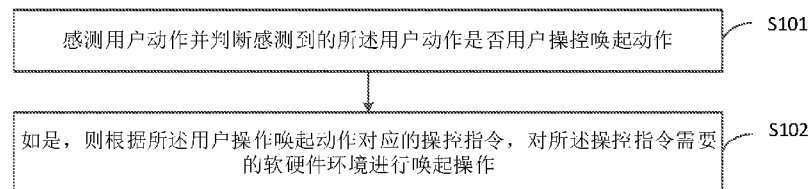


图 1

S101 SENSE A USER ACTION, AND DETERMINE WHETHER THE SENSED USER ACTION IS A USER MANIPULATION EVOKING ACTION
S102 IF SO, PERFORM, ACCORDING TO A MANIPULATION INSTRUCTION CORRESPONDING TO THE USER OPERATION EVOKING ACTION, AN EVOKING OPERATION ON A SOFTWARE AND HARDWARE ENVIRONMENT REQUIRED BY THE MANIPULATION INSTRUCTION

(57) Abstract: Provided in the embodiments of the present application are a shortcut manipulation method and apparatus based on a user behavior, and a device/terminal/server. The method comprises: sensing a user action, and determining whether the sensed user action is a user manipulation evoking action; and if so, performing, according to a manipulation instruction corresponding to the user operation evoking action, an evoking operation on a software and hardware environment required by the manipulation instruction. All or some problems existing in the prior art are solved. According to the embodiments of the present application, a user does not need to have the skill to set a shortcut manipulation key, and the manipulation by the user also does not need to occupy a lot of time, thereby better realizing shortcut manipulation of an intelligent terminal.

(57) 摘要: 本申请实施例提供了一种基于用户行为的快捷操控方法、装置和设备/终端/服务器, 所述方法包括: 感测用户动作并判断感测到的所述用户动作是否为用户操控唤起动作; 如是, 则根据所述用户操作唤起动作对应的操控指令, 对所述操控指令需要的软硬件环境进行唤起操作。全部或者部分解决现有技术中存在的问题。本申请实施例无需用户具备设置快捷操控键的技能, 且用户操控也无需占用大量的时间, 更佳的实现智能终端的快捷操控。

本国际公布：

- 包括国际检索报告(条约第21条(3))。
- 黑白；提交的国际申请包含彩色或灰度，并且可通过PATENTSCOPE下载

(88) 国际检索报告公布日期：

2020 年 4 月 23 日 (23.04.2020)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2018/057150

A. CLASSIFICATION OF SUBJECT MATTER

G06F 3/0488 (2013.01) G06F 16/00 (2019.01)

According to International Patent Classification (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)

FAMPAT, IEEE, CNKI: user, customer, client, detect, sense, identify, recognize, monitor, action, gesture, motion, behavior, map, match, compare, correspond, correlate, command, request, instruct, wake up, activate, trigger, start, open, prepare, initialize, configure, application, software, hardware, short-cut, hot key, control, manage, set, configure, define, 用户, 客户, 顾客, 检测, 监测, 识别, 感测, 行为, 行动, 动作, 姿势, 移动, 匹配, 比对, 对比, 对应, 相关, 指令, 命令, 唤醒, 唤起, 启动, 激活, 打开, 准备, 应用, 软件, 硬件, 快捷键, 热键, 管理, 控制, 设置 and other related search terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 105045394 A (GOERTEK INC.), 11 November 2015 (11.11.2015), description, figures 1 and 4, and paragraphs [0043], [0052]-[0057], [0061], [0068]-[0070] and [0113]-[0114]	1-12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	“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
“A” document defining the general state of the art which is not considered to be of particular relevance	“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
“E” earlier application or patent but published on or after the international filing date	“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
“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)	“&” document member of the same patent family
“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	

Date of the actual completion of the international search
24 December 2018

Date of the issuance of the international search report
26/12/2018

Name and mailing address of the ISA/SG



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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/IB2018/057150**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106020637 A (BEIJING EVEREST MOBILE COMMUNICATIONS CO., LTD.), 12 October 2016 (12.10.2016), description, figures 1 and 3, and paragraphs [0079]-[0080], [0091]-[0092], [0094]-[0095], [0108]-[0114] and [00183]	1-12
X	CN 104463152 A (BOE TECHNOLOGY GROUP CO., LTD.), 25 March 2015 (25.03.2015), description, paragraphs [0057]-[0061] and [0073]	1-12
X	CN 106066695 A (BEIJING QIHOO TECHNOLOGY CO., LTD.), 02 November 2016 (02.11.2016), description, figures 1-5, and paragraphs [0105]-[0106], [0129]-[0134], [0152]-[0153], [0165]-[0176] and [0182]	1-12
X	CN 103577103 A (IMMERSION CORPORATION), 12 February 2014 (12.02.2014), description, figure 1, and paragraphs [0017]-[0034]	1-12
X	CN 106648576 A (BEIJING EVEREST MOBILE COMMUNICATIONS CO., LTD.), 10 May 2017 (10.05.2017), description, figure 1, and paragraphs [0029]-[0044]	1-12

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/IB2018/057150

Note: related known patent family members of the patent documents referred to by this international search report are listed in this annex. This authority only provides information on the related patent family members, and assumes no responsibility for the details of the patents.

Patent Documents referred in the Report	Publication Date/Announcement Date (day/month/year)	Patent Family	Publication Date/Announcement Date (day/month/year)
CN 105045394 A	11/11/2015	US 2018/0011686 A1 WO 2017/020660 A1	11/01/2018 09/02/2017
CN 106020637 A	12/10/2016	None	
CN 104463152 A	25/03/2015	US 2016/0202766 A1	14/07/2016
CN 106066695 A	02/11/2016	None	
CN 103577103 A	12/02/2014	KR 20140002563 A JP 2014010830 A EP 2685353 A1 US 2014/0002376 A1 JP 2018170034 A	08/01/2014 20/01/2014 15/01/2014 02/01/2014 01/11/2018
CN 106648576 A	10/05/2017	None	

国际检索报告

国际申请号

PCT/IB2018/057150

A. 主题的分类

G06F 3/0488 (2013.01) G06F 16/00 (2019.01)

按照国际专利分类(IPC)

B. 检索领域

检索的最低限度文献(标明分类系统和分类号)

G06F

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称, 和使用的检索词(如使用))

FAMPAT, IEEE, CNKI: user, customer, client, detect, sense, identify, recognize, monitor, action, gesture, motion, behavior, map, match, compare, correspond, correlate, command, request, instruct, wake up, activate, trigger, start, open, prepare, initialize, configure, application, software, hardware, short-cut, hot key, control, manage, set, configure, define, 用户, 客户, 顾客, 检测, 监测, 识别, 感测, 行为, 行动, 动作, 姿势, 移动, 匹配, 比对, 对比, 对应, 相关, 指令, 命令, 唤醒, 唤起, 启动, 激活, 打开, 准备, 应用, 软件, 硬件, 快捷键, 热键, 管理, 控制, 设置和其他相关检索词

C. 相关文件

类型*	引用文件, 必要时, 指明相关段落	相关的权利要求
X	CN 105045394 A (歌尔声学股份有限公司) 2015 年 11 月 11 日 说明书附图 1, 4; 第 [0043], [0052]-[0057], [0061], [0068]-[0070], [0113]-[0114]段	1-12

☒ 其余文件在 C 栏的续页中列出。

☒ 见同族专利附件。

*引用文件的具体类型:

"A" 认为不特别相关的表示了现有技术一般状态的文件

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"O" 涉及口头公开、使用、展览或其他方式公开的文件

"P" 公布日先于申请日但迟于所要求的优先权日的文件

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"X" 特别相关的文件, 单独考虑该文件, 认定要求保护的发明不是新颖的或不具有创造性

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"&" 同族专利的文件

国际检索实际完成的日期

2018 年 12 月 24 日

国际检索报告发文日

26/12/2018

ISA/SG 的名称和邮寄地址

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INTELLECTUAL PROPERTY OFFICE OF SINGAPORE 宏利中心#01-01
新加坡 189554
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国际检索报告

国际申请号

PCT/IB2018/057150

C (续). 相关文件

类型*	引用文件, 必要时, 指明相关段落	相关的权利要求
X	CN 106020637 A (北京珠穆朗玛移动通信有限公司) 2016 年 10 月 12 日 说明书附图 1, 3; 第 [0079]-[0080], [0091]-[0092], [0094]-[0095], [0108]-[0114], [00183]段	1-12
X	CN 104463152 A (京东方科技集团股份有限公司) 2015 年 03 月 25 日 说明书第 [0057]-[0061], [0073]段	1-12
X	CN 106066695 A (北京奇虎科技有限公司) 2016 年 11 月 02 日 说明书附图 1-5; 第 [0105]-[0106], [0129]-[0134], [0152]-[0153], [0165]-[0176], [0182]段	1-12
X	CN 103577103 A (英默森公司) 2014 年 02 月 12 日 说明书附图 1; 第 [0017]-[0034]段	1-12
X	CN 106648576 A (北京珠穆朗玛移动通信有限公司) 2017 年 05 月 10 日 说明书附图 1; 第 [0029]-[0044]段	1-12

国际检索报告

关于同族专利的信息

国际申请号

PCT/IB2018/057150

备注: 此附件列出了本国际检索报告引用的专利文件的相关已知同族专利。本单位仅提供相关同族专利的信息, 并不对专利的详情承担任何责任。

检索报告中引用的专利文件	公布日或公告日	同族专利	公布日或公告日
CN 105045394 A	11/11/2015	US 2018/0011686 A1 WO 2017/020660 A1	11/01/2018 09/02/2017
CN 106020637 A	12/10/2016	无	
CN 104463152 A	25/03/2015	US 2016/0202766 A1	14/07/2016
CN 106066695 A	02/11/2016	无	
CN 103577103 A	12/02/2014	KR 20140002563 A JP 2014010830 A EP 2685353 A1 US 2014/0002376 A1 JP 2018170034 A	08/01/2014 20/01/2014 15/01/2014 02/01/2014 01/11/2018
CN 106648576 A	10/05/2017	无	