

(12) 按照专利合作条约所公布的国际申请

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- (30) 优先权:
201310146741.6 2013年4月24日 (24.04.2013) CN
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- (81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。
- (84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, 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)。

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(54) Title: METHOD AND APPARATUS FOR GENERATING SHORTCUT BUTTON, AND MOBILE DEVICE

(54) 发明名称: 快捷按钮的生成方法及装置、移动设备

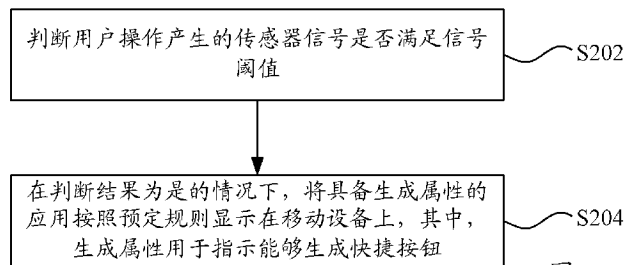


图 2 / Fig. 2

S202 DETERMINE WHETHER A SENSOR SIGNAL GENERATED BY A USER OPERATION MEETS A SIGNAL THRESHOLD
 S204 IN A SITUATION WHERE A DETERMINATION RESULT IS YES, DISPLAY AN APPLICATION HAVING A GENERATION ATTRIBUTE ON A MOBILE DEVICE ACCORDING TO A PRESET RULE, THE GENERATION ATTRIBUTE BEING USED FOR INDICATING THAT A SHORTCUT BUTTON IS CAPABLE OF BEING GENERATED

(57) Abstract: Disclosed are a method and an apparatus for generating a shortcut button, and a mobile device. The method for generating a shortcut button comprises: determining whether a sensor signal generated by a user operation meets a signal threshold; and when a determination result is determined to be yes, displaying an application having a generation attribute on a mobile device according to a preset rule, the generation attribute being used for indicating that a shortcut button is capable of being generated. The present invention can solve inconvenience caused by an operation on a large-sized touch screen to a user in related technologies, and achieve an effect of improving the user experience and the usability of a mobile device.

(57) 摘要: 本发明公开了一种快捷按钮的生成方法及装置、移动设备。其中, 该快捷按钮的生成方法包括: 判断用户操作产生的传感器信号是否满足信号阈值; 确定判断结果为是时, 将具备生成属性的应用按照预定规则显示在移动设备上, 其中, 所述生成属性用于指示能够生成快捷按钮。本发明可解决相关技术中大尺寸触摸屏操作给用户造成的不便, 达到了提高用户体验和移动设备易用性的效果。



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本国际公布:

- 包括国际检索报告(条约第 21 条(3))。
- 在修改权利要求的期限届满之前进行, 在收到该修改后将重新公布(细则 48.2(h))。

— 根据申请人的请求, 在条约第 21 条(2)(a)所规定的期限届满之前进行。

(88) 国际检索报告公布日期: 2014 年 3 月 13 日

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2013/079560

A. CLASSIFICATION OF SUBJECT MATTER

G06F 3/0482 (2013.01) 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)

IPC: 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)

CNPAT; CNKI; EPODOC; WPI; IEEE: shortcut button, create, make, display, keyboard shortcut, shortcut key

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 101882051 A (SHENZHEN FUTAIHONG PRECISION INDUSTRY CO., LTD.), 10 November 2010 (10.11.2010), description, page 2, paragraph 12 to page 4, paragraph 4, and figures 2-3 and 10	1-13
A	CN 101968698 A (SCT OPTRONICS COMPANY LTD.), 09 February 2011 (09.02.2011), the whole document	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&” document member of the same patent family</p>
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Date of the actual completion of the international search

02 January 2014 (02.01.2014)

Date of mailing of the international search report

23 January 2014 (23.01.2014)

Name and mailing address of the ISA/CN:
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2013/079560

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 101882051 A	10.11.2010	US 2010287469 A1	11.11.2010
CN 101968698 A	09.02.2011	None	

A. 主题的分类		
G06F 3/0482 (2013.01) i		
按照国际专利分类(IPC)或者同时按照国家分类和 IPC 两种分类		
B. 检索领域		
检索的最低限度文献(标明分类系统和分类号)		
IPC: 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))		
CNPAT; CNKI; EPODOC; WPI; IEEE: 生成, 显示, 快捷键, 快捷按钮, create, make, display, keyboard shortcut, shortcut key		
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 101882051 A (深圳富泰宏精密工业有限公司) 10.11 月 2010 (10.11.2010) 说明书第 2 页第 12 段-第 4 页第 4 段, 附图 2-3,10	1-13
A	CN 101968698 A (深圳中电数码显示有限公司) 09.2 月 2011 (09.02.2011) 全文	1-13
<input type="checkbox"/> 其余文件在 C 栏的续页中列出。 <input checked="" type="checkbox"/> 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 “E” 在国际申请日的当天或之后公布的在先申请或专利 “L” 可能对优先权要求构成怀疑的文件, 或为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件(如具体说明的) “O” 涉及口头公开、使用、展览或其他方式公开的文件 “P” 公布日先于国际申请日但迟于所要求的优先权日的文件 “T” 在申请日或优先权日之后公布, 与申请不相抵触, 但为了理解发明之理论或原理的在后文件 “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 “Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 要求保护的发明不具有创造性 “&” 同族专利的文件		
国际检索实际完成的日期 02.1 月 2014 (02.01.2014)		国际检索报告邮寄日期 23.1 月 2014 (23.01.2014)
ISA/CN 的名称和邮寄地址: 中华人民共和国国家知识产权局 中国北京市海淀区蓟门桥西土城路 6 号 100088 传真号: (86-10)62019451		授权官员 张翠玲 电话号码: (86-10) 82245297

