

# (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保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, 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, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲 (AL, AT, BE,

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(54) Title: METHOD FOR REAL NAME SUBSCRIPTION BASED ON SELF-SERVICE TERMINAL, AND SELF-SERVICE TERMINAL THEREOF

(54) 发明名称: 基于自助终端的实名开户入网的方法和自助终端

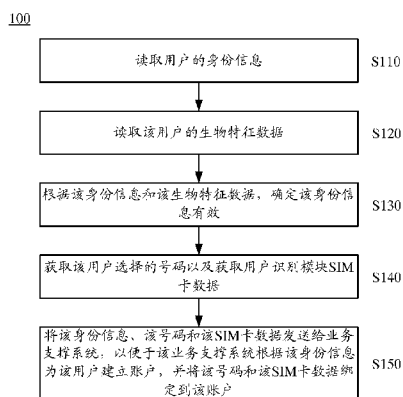


图1 / FIG. 1

S110 READING IDENTITY INFORMATION OF A USER  
S120 READING BIOLOGIC CHARACTER DATA OF THE USER  
S130 DETERMINING THE IDENTITY INFORMATION VALID ACCORDING TO THE IDENTITY INFORMATION AND THE BIOLOGIC CHARACTER DATA  
S140 OBTAINING THE NUMBER SELECTED BY THE USER AND THE SUBSCRIBER IDENTITY MODULE (SIM) CARD DATA  
S150 SENDING THE IDENTITY INFORMATION, THE NUMBER AND THE SIM CARD DATA TO THE BUSINESS SUPPORT SYSTEM (BSS) SO THAT BSS ESTABLISHES AN ACCOUNT FOR THE USER ACCORDING TO THE IDENTITY INFORMATION AND BINDS THE NUMBER AND THE SIM CARD DATA TO THE ACCOUNT

(57) Abstract: A method for real name subscription based on self-service terminal and self-service terminal thereof is provided in the present invention. The method includes: reading identity information of a user; reading biologic character data of the user; determining the identity information valid according to the identity information and the biologic character data; obtaining the number selected by the user and the Subscriber Identity Module (SIM) card data; sending the identity information, the number and the SIM card data to the Business Support System (BSS) so that BSS establishes an account for the user according to the identity information and binds the number and the SIM card data to the account. The self-service terminal includes: an electronic identity card reader; a biologic character reading module; a determination module; a first obtaining module; a second obtaining module and a first sending module. The method for real name subscription based on self-service terminal and self-service terminal thereof provided in the embodiment of the present invention can verify the user identity and provide the real name subscription service for the user according to the identity information and the biologic character data of the user.

(57) 摘要: 本发明公开了一种基于自助终端的实名开户入网的方法和自助终端。该方法包括: 读取用户的身份信息; 读取用户的生物特征数据; 根据该身份信息和该生物特征数据, 确定该身份信息有效; 获取用户选择的号码以及获取SIM卡数据; 将该身份信息、该号码和该SIM卡数据发送给业务支撑系统, 以便于该业务支撑系统根据该身份信息为用户建立账户, 并将该号码和该SIM卡数据绑定到该账户。自助终端包括: 电子身份证读卡器、生物特征读取模块、确定模块、第一获取模块、第二获取模块和第一发送模块。本发明实施例基于自助终端的实名开户入网的方法和自助终端, 根据用户身份信息和生物特征数据, 可对用户身份进行检验, 给用户

提供实名开户入网服务。



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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, ML, MR, NE, SN, TD, TG)。

- 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。

**本国际公布:**

- 包括国际检索报告(条约第 21 条(3))。

**(88) 国际检索报告公布日期:** 2012 年 4 月 26 日

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2011/074892

## A. CLASSIFICATION OF SUBJECT MATTER

H04W 60/00 (2009.01) 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: H04W, H04Q, H04M, H04L

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)

CNABS, CNTXT, CNKI, VEN: self w service, subscription, real name, biologic, fingerprint, iris, face, identity, authenticat+, SIM card, valid, BSS, bind+, account

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN101656002A (BEIJING NUOEN KAICHUANG SCI & TECHNOLOGY CO., LTD.) 24 Feb. 2010 (24.02.2010) description page 6 line 2 to page 7 line 23, page 12 line 26 to page 14 line 26, figures 3 and 7	1-15
Y	CN201628976U (GUANGDONG DESHENG TECHNOLOGY CO., LTD.) 10 Nov. 2010 (10.11.2010) description paragraphs 0032-0036	1-15
Y	CN201812296U (CHINA MOBILE GROUP JIANGXI CO., LTD.) 27 Apr. 2011 (27.04.2011) description paragraphs 0059-0107, figures 2-5	1-15

 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 20 Feb. 2012 (20.02.2012)	Date of mailing of the international search report <b>08 Mar. 2012 (08.03.2012)</b>
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN2011/074892

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN101656002A	24.02.2010	None	
CN201628976U	10.11.2010	None	
CN201812296U	27.04.2011	None	

国际检索报告

国际申请号  
PCT/CN2011/074892

<b>A. 主题的分类</b>		
H04W 60/00 (2009.01) 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>B. 检索领域</b>		
检索的最低限度文献(标明分类系统和分类号)		
IPC: H04W, H04Q, H04M, H04L		
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))		
CNABS,CNTEXT,CNKI: 自助, 开户, 实名, 生物, 指纹, 虹膜, 脸, 身份, 认证, SIM 卡, 有效, 业务支撑系统, 绑定, 账户; VEN: self w service, subscription, real name, biologic, fingerprint, iris, face, identity, authenticat+, SIM card, valid, BSS, bind+, account		
<b>C. 相关文件</b>		
类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求
Y	CN101656002A (北京诺恩开创科技有限公司) 24.2 月 2010 (24.02.2010) 说明书第 6 页第 2 行至第 7 页第 23 行, 第 12 页第 26 行至第 14 页第 26 行, 附图 3 和 7	1-15
Y	CN201628976U (广东德生科技有限公司) 10.11 月 2010 (10.11.2010) 说明书第 0032-0036 段	1-15
Y	CN201812296U (中国移动通信集团江西有限公司) 27.4 月 2011 (27.04.2011) 说明书第 0059-0107 段, 附图 2-5	1-15
<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 20.2 月 2012 (20.02.2012)		国际检索报告邮寄日期 08.3 月 2012 (08.03.2012)
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		受权官员  张明俊 电话号码: (86-10) 62412163

国际检索报告  
关于同族专利的信息

国际申请号  
**PCT/CN2011/074892**

检索报告中引用的 专利文件	公布日期	同族专利	公布日期
CN101656002A	24.02.2010	无	
CN201628976U	10.11.2010	无	
CN201812296U	27.04.2011	无	