

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2016 年 3 月 10 日 (10.03.2016)



(10) 国际公布号
WO 2016/034069 A1

- (51) 国际专利分类号:
G06F 21/32 (2013.01)
- (21) 国际申请号: PCT/CN2015/088215
- (22) 国际申请日: 2015 年 8 月 27 日 (27.08.2015)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
201410446657.0 2014 年 9 月 3 日 (03.09.2014) CN
- (71) 申请人: 阿里巴巴集团控股有限公司 (ALIBABA GROUP HOLDING LIMITED) [GB/CN]; 开曼群岛大开曼乔治城资本大厦一座四层 847 号邮箱, Grand Cayman (KY)。
- (72) 发明人: 及
- (71) 申请人 (仅对美国): 杜志军 (DU, Zhijun) [CN/CN]; 中国浙江省杭州市余杭区文一西路 969 号 3 号楼 5 楼阿里巴巴集团法务部, Zhejiang 311121 (CN)。
- (74) 代理人: 北京国昊天诚知识产权代理有限公司 (CO-HORIZON INTELLECTUAL PROPERTY,

INC.); 中国北京市朝阳区西坝河西里 28 号英特公寓 C 座 104 室, Beijing 100028 (CN)。

(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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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)。

[见续页]

(54) Title: IDENTITY AUTHENTICATION METHOD AND APPARATUS, TERMINAL AND SERVER

(54) 发明名称: 身份认证方法、装置、终端及服务器

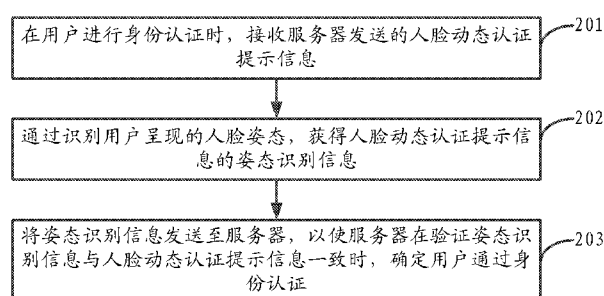


图 2A / Fig. 2A

- 201 When a user performs identity authentication, receive dynamic facial authentication prompt information sent by a server
- 202 Obtain pose identification information of the dynamic facial authentication prompt information by identifying a facial pose presented by the user
- 203 Send the pose identification information to the server so that the server determines that the user passes the identity authentication when the server verifies the consistency between the pose identification information and the dynamic facial authentication prompt information

(57) Abstract: Disclosed are an identity authentication method and apparatus, a terminal and a server. The method comprises: when a user performs identity authentication, receiving dynamic facial authentication prompt information sent by a server; obtaining pose identification information of the dynamic facial authentication prompt information by identifying a facial pose presented by the user; and sending the pose identification information to the server so that the server determines that the user passes the identity authentication when the server verifies the consistency between the pose identification information and the dynamic facial authentication prompt information. By means of embodiments of the present application, the identity of a user can be authenticated with high security by means of dynamic facial authentication; compared with the existing authentication mode of using an authentication password, authentication information cannot be thieved by a malicious third party, authentication reliability is improved, and the user can be identified as a live user by means of

dynamic facial authentication, thereby further improving accuracy of identity authentication and reducing security risks during the authentication process.

(57) 摘要:

[见续页]



WO 2016/034069 A1

**本国际公布:**

— 包括国际检索报告(条约第 21 条(3))。

本申请公开了身份认证方法、装置、终端及服务器，所述方法包括：在用户进行身份认证时，接收服务器发送的人脸动态认证提示信息；通过识别用户呈现的人脸姿态，获得人脸动态认证提示信息的姿态识别信息；将姿态识别信息发送至服务器，以使服务器在验证姿态识别信息与人脸动态认证提示信息一致时，确定用户通过身份认证。应用本申请实施例，通过人脸动态认证方式可以对用户身份进行高安全性认证，相较于现有采用认证密码进行认证的方式，认证信息不会被恶意第三方窃取，提高了认证的可靠性，并且通过人脸动态认证可以识别用户为活体用户，从而进一步提高身份认证的准确性，降低认证过程中存在的安全隐患。