(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
2014 年 5 月 1 日 (01.05.2014)

WIPO | PCT

(10) 国际公布号
WO 2014/063455 A1

(51) 国际专利分类号:
H04L 29/06 (2006.01)

(21) 国际申请号: PCT/CN2013/071003

(22) 国际申请日: 2013 年 1 月 25 日 (25.01.2013)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
201210408510.3 2012 年 10 月 24 日 (24.10.2012) CN

(71) 申请人 (对除美国外的所有指定国): **鹤山世达光电科技有限公司 (WWTT TECHNOLOGY CHINA)** [CN/CN]; 中国广东省江门市鹤山市共和镇新材料基地（鹤山市世逸电子科技有限公司 H 座）, Guangdong 529728 (CN)。

(72) 发明人; 及

(71) 申请人 (仅对美国): **王国芳 (WONG, Kwok fong)** [CN/CN]; 中国广东省江门市鹤山市共和镇新材料基地（鹤山市世逸电子科技有限公司 H 座）, Guangdong 529728 (CN)。 **程佩仪 (CHING, Pui yi)** [CN/CN]; 中国广东省江门市鹤山市共和镇新材料基地（鹤山市世逸电子科技有限公司 H 座）, Guangdong 529728 (CN)。

(74) 代理人: **佛山东平知识产权事务所（普通合伙） (FOSHAN DONG PING INTELLECTUAL PROPERTY FIRM (GENERAL PARTNERSHIP))**; 中国广东省佛山市禅城区岭南大道北 123 号一座 1508 室, Guangdong 528000 (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, 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, 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,

[见续页]

(54) **Title**: INSTANT MESSAGING METHOD AND SYSTEM

(54) **发明名称** : 即时通信方法和系统

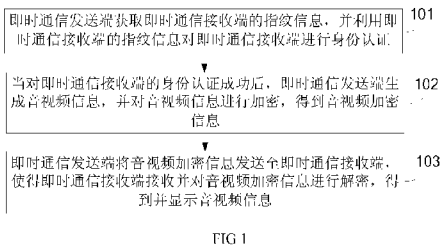

FIG 1

101 An instant message sending end acquires fingerprint information of an instant message receiving end, and authenticates an identity of the instant message receiving end by using the fingerprint information of the instant message receiving end

102 After the successful authentication of the identity of the instant message receiving end, the instant message sending end generates audio/video information, and encrypts the audio/video information to obtain the encrypted audio/video information

103 The instant message sending end sends the encrypted audio/video information to the instant message receiving end, so that the instant message receiving end receives and decrypts the audio/video information to obtain and display the audio/video information

(57) **Abstract**: Disclosed are an instant messaging method and system. The present invention relates to the technical field of communications. The method comprises: an instant message sending end acquiring fingerprint information of an instant message receiving end, and authenticating an identity of the instant message receiving end by using the fingerprint information of the instant message receiving end; after the successful authentication of the identity of the instant message receiving end, the instant message sending end generating audio/video information, and encrypting the audio/video information to obtain the encrypted audio/video information; the instant message sending end sending the encrypted audio/video information to the instant message receiving end, so that the instant message receiving end receives and decrypts the audio/video information to obtain and display the audio/video information. The system comprises an instant message sending end. By means of the present invention, the privacy of instant messaging information such as audios and videos can be well protected, and the security is improved.

(57) **摘要**: 本发明公开了一种即时通信方法和系统，属于通信技术领域。所述方法包括：即时通信发送端获取即时通信接收端的指纹信息，并利用所述即时通信接收端的指纹信息对所述即时通信接收端进行身份认证；当对所述即时通信接收端的身份认证成功后，所述即时通信发送端生成音视频信息，并对所述音视频信息进行加密，得到音视频加密信息；所述即时通信发送端将所述音视频加密信息发送至所述即时通信接收端，使得所述即时通信接收端接收并对所述音视频加密信息进行解密，得到并显示所述音视频信息。所述系统包括：即时通信发送端。本发明使得音频、视频等即时信息的私密性可以得到很好的保护，提高了安全性。

WO 2014/063455 A1

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)。

本国际公布:

— 包括国际检索报告(条约第 21 条(3))。