

(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



(10) 国际公布号
WO 2024/260252 A1

(43) 国际公布日
2024 年 12 月 26 日 (26.12.2024)

(51) 国际专利分类号:
G06F 16/957 (2019.01)

(21) 国际申请号: PCT/CN2024/097277

(22) 国际申请日: 2024 年 6 月 4 日 (04.06.2024)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
202310732158.7 2023年6月19日 (19.06.2023) CN

(71) 申请人: 腾讯科技(深圳)有限公司 (TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED) [CN/CN]; 中国广东省深圳市南山区高新区科技中一路腾讯大厦 35 层, Guangdong 518057 (CN)。

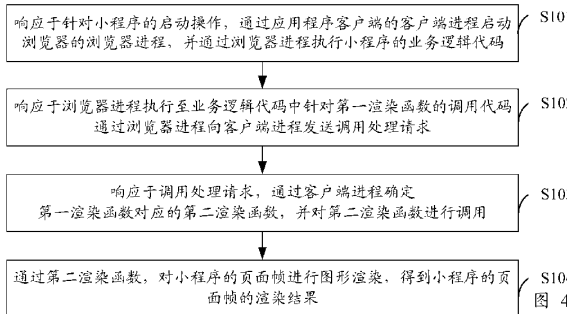
(72) 发明人: 张长荣 (ZHANG, Changrong); 中国广东省深圳市南山区高新区科技中一路腾讯大厦 35 层, Guangdong 518057 (CN)。江炜洲 (JIANG, Weizhou); 中国广东省深圳市南山区高新区科技中一路腾讯大厦 35 层, Guangdong 518057 (CN)。卢强 (LU, Qiang); 中国广东省深圳市南山区高新区科技中一路腾讯大厦 35 层, Guangdong 518057 (CN)。

(74) 代理人: 北京派特恩知识产权代理有限公司 (CHINA PAT INTELLECTUAL PROPERTY OFFICE); 中国北京市海淀区苏州街 3 号大恒科技大厦南座五层 503, Beijing 100080 (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,

(54) Title: PAGE RENDERING METHOD AND APPARATUS, AND ELECTRONIC DEVICE, COMPUTER-READABLE STORAGE MEDIUM AND COMPUTER PROGRAM PRODUCT

(54) 发明名称: 一种页面渲染方法、装置、电子设备、计算机可读存储介质及计算机程序产品



- S101 In response to a starting operation for an applet, start a browser process of a browser by means of a client process of an application program client, and execute a service logic code of the applet by means of the browser process
- S102 In response to the browser process executing a calling code in the service logic code in respect of a first rendering function, send a calling processing request to the client process by means of the browser process
- S103 In response to the calling processing request, determine, by means of the client process, a second rendering function corresponding to the first rendering function, and call the second rendering function
- S104 Perform graphic rendering on a page frame of the applet by means of the second rendering function, so as to obtain a rendering result of the page frame of the applet

(57) Abstract: Provided in the present application are a page rendering method and apparatus, and a device, a storage medium and a program product. The embodiments of the present application can be applied to page rendering scenarios of applets of application software, operating systems, etc. The method comprises: in response to a starting operation for an applet, starting a browser process of a browser by means of a client process of an application program client, and executing a service logic code of the applet by means

[见续页]

CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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)。

本国际公布:

— 包括国际检索报告(条约第21条(3))。

of the browser process, wherein the applet runs in the application program client; in response to the browser process executing a calling code in the service logic code in respect of a first rendering function, sending a calling processing request to the client process by means of the browser process, wherein the first rendering function is a graphic rendering function that is called by the browser process, and the first rendering function is used for rendering a page frame of the applet; in response to the calling processing request, determining, by means of the client process, a second rendering function corresponding to the first rendering function, and calling the second rendering function, wherein the second rendering function and the first rendering function have the same graphic rendering function; and performing graphic rendering on the page frame of the applet by means of the second rendering function, so as to obtain a rendering result of the page frame of the applet.

(57) 摘要: 本申请提供了一种页面渲染方法、装置、设备、存储介质及程序产品; 本申请实施例可以应用于应用软件、操作系统等的小程序的页面渲染场景中; 方法包括: 响应于针对小程序的启动操作, 通过应用程序客户端的客户端进程启动浏览器的浏览器进程, 并通过浏览器进程执行小程序的业务逻辑代码, 小程序在应用程序客户端中运行; 响应于浏览器进程执行至业务逻辑代码中针对第一渲染函数的调用代码, 通过浏览器进程向客户端进程发送调用处理请求; 第一渲染函数是浏览器进程调用的图形渲染函数, 第一渲染函数用于渲染小程序的页面帧; 响应于调用处理请求, 通过客户端进程确定第一渲染函数相对应的第二渲染函数, 并对第二渲染函数进行调用; 第二渲染函数和第一渲染函数的图形渲染功能相同; 通过第二渲染函数, 对小程序的页面帧进行图形渲染, 得到小程序的页面帧的渲染结果。