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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, 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,

(54) Title: ON-DEMAND ENABLING METHOD AND APPARATUS FOR SECURITY ASPECT OF MOBILE TERMINAL

(54) 发明名称: 移动端安全切面的按需开启方法及装置

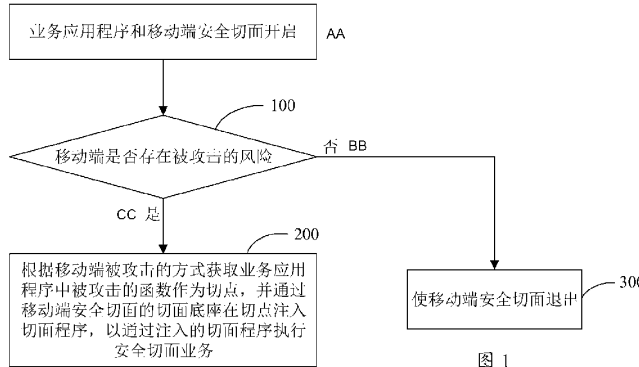


图 1

100 WHETHER THE MOBILE TERMINAL IS AT RISK OF BEING ATTACKED OR NOT
200 ACQUIRE AN ATTACKED FUNCTION IN THE SERVICE APPLICATION PROGRAM AS A POINTCUT
ACCORDING TO THE WAY THE MOBILE TERMINAL IS ATTACKED, AND INJECT AN ASPECT
PROGRAM AT THE POINTCUT BY MEANS OF AN ASPECT BASE OF THE SECURITY ASPECT OF
THE MOBILE TERMINAL, SO AS TO EXECUTE A SECURITY ASPECT SERVICE BY MEANS OF THE
INJECTED ASPECT PROGRAM
300 EXIT THE SECURITY ASPECT OF THE MOBILE TERMINAL
AA ENABLE A SERVICE APPLICATION PROGRAM AND A SECURITY ASPECT OF A MOBILE TERMINAL
BB NO
CC YES

(57) Abstract: The present invention relates to an on-demand enabling method and apparatus for a security aspect of a mobile terminal. The method comprises: after a security aspect of a mobile terminal is enabled along with a service application program of the mobile terminal, determining whether the mobile terminal is at risk of being attacked or not; if yes, acquiring an attacked function in the service application program as a pointcut according to the way the mobile terminal is attacked, and injecting an aspect program at the pointcut by means of an aspect base of the security aspect of the mobile terminal, so as to execute a security aspect service by means of the

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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。

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injected aspect program; otherwise, exiting the security aspect of the mobile terminal. According to the on-demand enabling method and apparatus for the security aspect of the mobile terminal, whether the mobile terminal is at risk of being attacked or not is determined after the security aspect of the mobile terminal is enabled, the security aspect of the mobile terminal is operated only after it is determined that the mobile terminal is at risk of being attacked, and injection is carried out at the related point cut according to the attack mode; otherwise, the security aspect of the mobile terminal exits, so that on-demand enabling of the security aspect of the mobile terminal is realized, and unnecessary resource waste is avoided.

(57) 摘要: 本发明涉及一种移动端安全切面的按需开启方法及装置, 方法包括: 在移动端安全切面随移动端的业务应用程序开启后, 判断移动端是否存在被攻击的风险; 若是, 则根据移动端被攻击的方式获取业务应用程序中被攻击的函数作为切点, 并通过移动端安全切面的切面底座在切点注入切面程序, 以通过注入的切面程序执行安全切面业务; 否则, 使移动端安全切面退出。本发明的移动端安全切面的按需开启方法及装置, 在移动端安全切面开启后先判断移动端是否存在被攻击的风险, 在确定移动端存在被攻击的风险后才运行移动端安全切面, 并根据被攻击的方式注入相关切点, 否则移动端安全切面退出, 从而实现移动端安全切面的按需开启, 避免造成不必要的资源浪费。