

(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 2022/148443 A1**

(43) 国际公布日  
2022 年 7 月 14 日 (14.07.2022)

(51) 国际专利分类号:  
*H04W 12/03* (2021.01) *H04W 12/37* (2021.01)  
*H04W 12/10* (2021.01)

(21) 国际申请号: PCT/CN2022/070792

(22) 国际申请日: 2022 年 1 月 7 日 (07.01.2022)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:  
202110027552.1 2021 年 1 月 10 日 (10.01.2021) CN

(71) 申请人: 华为技术有限公司 (HUAWEI TECHNOLOGIES CO., LTD.) [CN/CN]; 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(72) 发明人: 胡力 (HU, Li); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。  
吴荣 (WU, Rong); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

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(54) Title: SECURITY POLICY PROCESSING METHOD AND COMMUNICATION DEVICE

(54) 发明名称: 安全策略处理方法以及通信设备

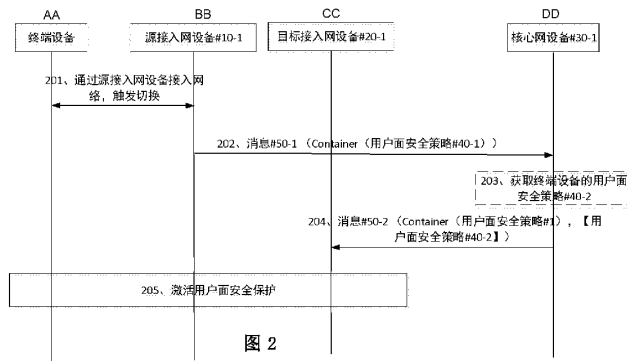


图 2

201 Access a network by means of the source access network device, so as to trigger switching  
202 Message #50-1 (Container (user plane security policy #40-1))  
203 Acquire a user plane security policy #40-2 of the terminal device  
204 Message #50-2 (Container (user plane security policy #1), [user plane security policy #40-2])  
205 Activate user plane security protection  
AA Terminal device  
BB Source access network device #10-1  
CC Target access network device #20-1  
DD Core network device #30-1

(57) Abstract: Disclosed is a security policy processing method, which is used for realizing a best-effort user plane security on-demand starting mechanism in a network having a core network element which does not support user plane security on-demand protection. The security policy processing method in the embodiments of the present application comprises: a target access network device receiving a message #50-2 from a core network device #30-1, wherein the message #50-2 includes container information from a source access network device; and the target access network device determining, according to the message #50-2, a user plane security activation state between same and a terminal device, wherein the user plane security activation state represents whether user plane encryption protection is enabled and/or whether user plane integrity protection is enabled.

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(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)。

本国际公布:

— 包括国际检索报告(条约第21条(3))。

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(57) 摘要: 本申请实施例公开了一种安全策略处理方法, 用于在存在不支持用户面安全按需保护的核心网网元的网络中, 实现尽力而为的用户面安全按需开启机制。本申请实施例中的安全策略处理方法包括: 目标接入网设备接收来自核心网设备#30-1的消息#50-2; 其中, 所述消息#50-2包含来自源接入网设备的容器信息; 所述目标接入网设备根据所述消息#50-2, 确定自身与终端设备之间的用户面安全激活状态, 所述用户面安全激活状态表征用户面加密保护是否开启和/或用户面完整性保护是否开启。