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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,

(54) Title: ACL RULE PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, AND READABLE MEDIUM

(54) 发明名称: ACL 规则处理方法、装置、计算机设备和可读介质

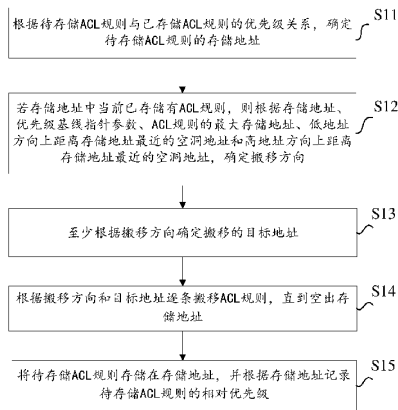


图 2

S11 According to a priority relationship between an ACL rule to be stored and a stored ACL rule, determine a storage address of the ACL rule to be stored
S12 If an ACL rule is currently stored at the storage address, determine a moving direction according to the storage address, a priority baseline pointer parameter, a maximum storage address of the ACL rule, a void address closest to the storage address in a low address direction, and a void address closest to the storage address in a high address direction
S13 At least according to the moving direction, determine a target address for moving
S14 According to the moving direction and the target address, move ACL rules one by one until emptying the storage address
S15 Store, at the storage address, the ACL rule to be stored, and according to the storage address, record the relative priority of the ACL rule to be stored

(57) Abstract: The present disclosure provides an ACL rule processing method, comprising: according to a priority relationship between an ACL rule to be stored and a stored ACL rule, determining a storage address of the ACL rule to be stored; if an ACL rule is currently stored at the storage address, determining a moving direction according to the storage address, a priority baseline pointer parameter, a maximum storage address of the ACL rule, a void address closest to the storage address in a low address direction, and a void address closest to the storage address in a high address direction; at least according to the moving direction, determining a target address for moving; according to the moving direction and the target address, moving ACL rules one by one until emptying the storage address; and storing, at the storage address, the ACL rule to be stored, and according to the storage address, recording the relative priority of the ACL rule to be stored. The present disclosure further provides an ACL rule processing apparatus, a computer device, and a readable medium.

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CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, 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, 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))。

(57) 摘要: 本公开提供一种ACL规则处理方法, 包括: 根据待存储ACL规则与已存储ACL规则的优先级关系, 确定待存储ACL规则的存储地址; 若存储地址中当前已存储有ACL规则, 则根据存储地址、优先级基线指针参数、ACL规则的最大存储地址、低地址方向上距离存储地址最近的空洞地址和高地址方向上距离存储地址最近的空洞地址, 确定搬移方向; 至少根据搬移方向确定搬移的目标地址; 根据搬移方向和目标地址逐条搬移ACL规则, 直到空出所述存储地址; 将待存储ACL规则存储在所述存储地址, 并根据存储地址记录待存储ACL规则的相对优先级。本公开还提供一种ACL规则处理装置、计算机设备和可读介质。