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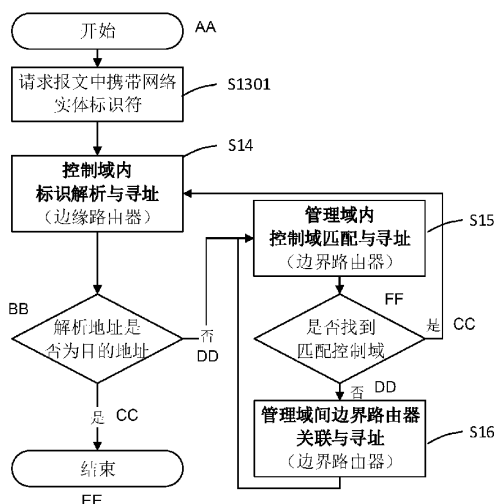
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(54) Title: IDENTIFICATION ADDRESSING METHOD FOR HIERARCHICAL STRUCTURE

(54) 发明名称: 一种层次结构的标识寻址方法



S14 Perform identification parsing and addressing in a control domain (edge router)
S15 Control domain matching and addressing in a management domain (border router)
S16 Border router association and addressing between management domains (border router)
S1301 A request message bears an identifier of a network entity
AA Start
BB Is the parsed address the destination address?
CC Yes
DD No
EE End
FF Has a matched control domain been found?

图 12

(57) Abstract: An identification addressing method for a hierarchical structure. The method comprises: step 1) receiving a request message bearing an identifier of a requesting network entity; step 2) performing identification parsing on an edge router of a control domain to obtain an address, and if the address obtained by parsing is a final destination address, ending the process; otherwise, the address obtained by parsing being the address of a border router of a management domain in which the network entity is located, and performing step 3); step 3) on the border router of the management domain, performing matching between an identifier of an entity in the present management domain and a controller storing the mapping related to the identifier, and if a matched controller is found, then performing identification parsing and addressing in the matched controller, and returning to step 2); otherwise, performing step

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4); step 4) on the border router of the management domain, determining an intermediary border router corresponding to the identifier, and on the intermediary border router, obtaining, by means of an index, a border router of a management domain associated with the identifier, and performing step 3).

(57) 摘要: 一种层次结构的标识寻址方法, 所述方法包括: 步骤1)接收携带请求网络实体的标识符的请求报文; 步骤2)在控制域的边缘路由器上进行标识解析得到地址, 若解析得到的地址为最终目的地址, 过程结束; 否则, 解析得到的地址为网络实体所在管理域的边界路由器地址, 进入步骤3); 步骤3)在管理域的边界路由器上, 进行本管理域内实体的标识与存储该标识相关映射关系的控制器的匹配, 若找到匹配的控制器, 则在匹配的控制器中进行标识解析与寻址, 转入步骤2); 否则, 执行步骤4); 步骤4)在管理域边界路由器上, 确定该标识对应的中介边界路由器; 并在该中介边界路由器上, 通过索引得到标识关联的管理域边界路由器, 执行步骤3)。