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(54) DATA TRANSMISSION METHOD AND SYSTEM, ELECTRONIC DEVICE AND COMPUTER-READABLE STORAGE **MEDIUM**

(71) Applicant: ZTE CORPORATION, Shenzhen,

Guangdong (CN)

(72) Inventors: Yuxin MAO, Shenzhen, Guangdong

(CN); Qiang WU, Shenzhen, Guangdong (CN); Xincheng YAN, Shenzhen, Guangdong (CN)

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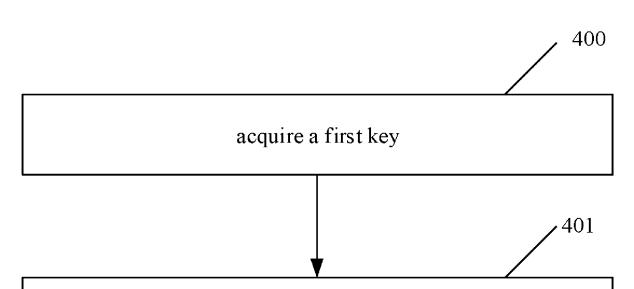
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(57)**ABSTRACT**

The present disclosure relates to the technical field of communication security, and provides a data transmission method applicable to a control plane function entity, including: determining target user plane data which needs to be subjected to security protection between a target user equipment and a user plane function entity; and sending a notification message to a Radio Access Network function entity and the target user equipment, with the notification message configured to instruct that the security protection is performed on the target user plane data between the target user equipment and the user plane function entity. The present disclosure further provides a data transmission system, an electronic device, and a computer-readable storage medium.



perform the security protection on the target user plane data transmitted between the target UE and the user plane function entity with the first key