Abstract

~~A link failure processing method and apparatus, and a terminal device and a storage medium, which can be applicable to a 5G/NR system. The method comprises: after a link failure occurs, a relay terminal device sending a first notification message to a remote terminal device, wherein the link failure at least comprises any one of the following: a wireless link failure, timeout of a T310 timer, timeout of a T312 timer, an SRB1 integrity checking failure, an SRB2 integrity checking failure, an SRB3 integrity checking failure, and a reconfiguration failure. After a link failure occurs, a relay terminal device gives a notification to a remote terminal device, such that the remote terminal device can perform a corresponding operation on the basis of the notification to process a link failure of the relay terminal device, and a rational processing means can be used according to a quality of service (QoS) requirement of the remote terminal device, thereby avoiding unnecessary relay reselection, facilitating resource saving, and avoiding resource waste.~~ A method for processing a link failure is performed by a relay terminal device, and includes: in response to a link failure occurring on the relay terminal device, sending a first notification message to a remote terminal device, wherein the link failure includes at least one of: a radio link failure; a T310 timer being expired; a T312 timer being expired; an integrity check failure on a Signaling Radio Bearer (SRB) 1; an integrity check failure on a SRB2; an integrity check failure on a SRB3; or a reconfiguration failure.

FIG.2