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(54) Title: COMMUNICATION METHOD, DEVICE, AND SYSTEM

(54) 发明名称: 一种通信方法、装置及系统

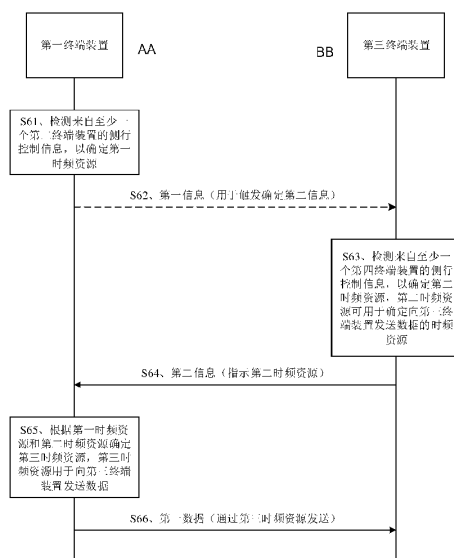


图 6

S61 Detect sidelink control information from at least one second terminal device, and determine a first time-frequency resource
S62 First information (used to trigger determination of second information)
S63 Detect sidelink control information from at least one fourth terminal device, and determine a second time-frequency resource, wherein the second time-frequency resource can be used to determine a time-frequency resource for transmitting data to the third terminal device
S64 Second information (indicating the second time-frequency resource)
S65 Determine a third time-frequency resource according to the first time-frequency resource and the second time-frequency resource, the third time-frequency resource being used to transmit data to the third terminal device
S66 First data (transmitted via the third time-frequency resource)
AA First terminal device
BB Third terminal device

(57) Abstract: The present application relates to a communication method, device, and system, applicable to fields such as the Internet of Vehicles, intelligent driving, assisted driving, and intelligent connected vehicles. The method comprises: a first terminal device detecting sidelink control information from at least one second terminal device, and determining a first time-frequency resource; the first terminal device transmitting first information to a third terminal device, the first information being used to trigger determination of second information; the first terminal device receiving, from the third terminal device, the second information indicating a second

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time-frequency resource, the second time-frequency resource being used to determine a time-frequency resource for transmitting data to the third terminal device; and the first terminal device determining a third time-frequency resource according to the second time-frequency resource and the first time-frequency resource, and transmitting first data to the third terminal device via the third time-frequency resource. The first terminal device can select a data transmission resource by taking both a monitoring result of the first terminal device and a monitoring result of the third terminal device into consideration, thus improving the quality of signal reception.

(57) 摘要: 本申请涉及一种通信方法、装置及系统, 适用于车联网、智能驾驶、辅助驾驶、智能网联车等领域。第一终端装置检测来自至少一个第二终端装置的侧行控制信息, 以确定第一时频资源。第一终端装置向第三终端装置发送第一信息, 用于触发确定第二信息。第一终端装置接收来自第三终端装置的第二信息, 指示第二时频资源, 第二时频资源用于确定向第三终端装置发送数据的时频资源。第一终端装置根据第二时频资源和第一时频资源确定第三时频资源, 并通过第三时频资源向第三终端装置发送第一数据。第一终端装置可以将第一终端装置的侦听结果和第三终端装置的侦听结果均作为考虑因素以选择发送数据的资源, 以提高信号接收质量。