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(54) Title: METHOD FOR ACCESSING TO RADIO FREQUENCY COMMUNICATION WITH LOW-FREQUENCY ELECTROMAGNETIC COMMUNICATION

(54) 发明名称: 一种带低频磁通信的射频通信接入方法

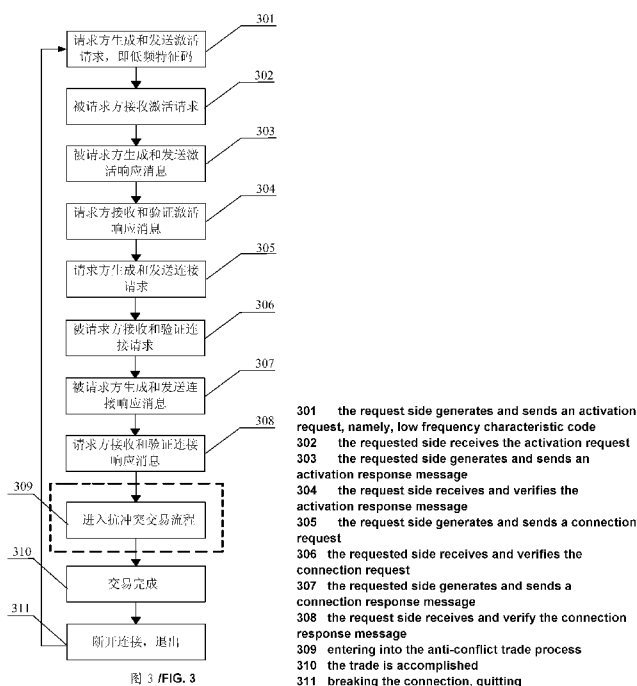


图 3 /FIG. 3

(57) Abstract: The present invention deals with a method for accessing to radio frequency communication with low-frequency electromagnetic communication. The method includes: a request side sends an activation request including the first random data via a low frequency channel; a requested side receives the activation request, generates an activation response message including the second random data and an identifier of the requested side, and sends the activation response message according to the first radio frequency communication address; the request side receives and verifies the activation response message. If the verification is passed, the request side generates a connection request including the third random data, and sends the connection request according to the second radio frequency communication address; the requested side receives and verifies the connection request. If the verification is passed, the requested side generates a connection response message, and sends the connection response message according to the second radio frequency communication address; the request side receives the connection response message to verify whether the connection is successful. If the connection is successful, the request side trades with the requested side, according to the second radio frequency address, via a radio channel. The present invention accelerates the access speed of the radio frequency communication with low-frequency electromagnetic communication.

(57) 摘要:

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CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, **本国际公布:**
TG)。

— 包括国际检索报告(条约第 21 条(3))。

本发明涉及一种带低频磁通信的射频通信接入方法，包括：请求方通过低频通道发送激活请求，其中包含第一随机数；被请求方接收激活请求，产生激活响应信息，经射频通道在第一射频通信地址上发送，激活响应信息中包含第二随机数和被请求方身份标识；请求方接收激活响应信息，进行验证，若验证通过，则产生连接请求，经射频通道在第二射频通信地址上发送，连接请求中包含第三随机数；被请求方接收到连接请求，进行验证，若验证通过，则产生连接响应信息，经射频通道在第二射频通信地址上发送；请求方接收连接响应信息验证是否接入成功，是则经射频通道在第二射频通信地址上与被请求方进行交易。本发明能够加快带低频磁通信的射频通信接入速度。