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(54) Title: METHOD FOR CONTROLLING VEHICLES TO DRIVE AS PLATOON, AND RELATED DEVICE

(54) 发明名称: 车辆编队行驶控制方法及相关设备

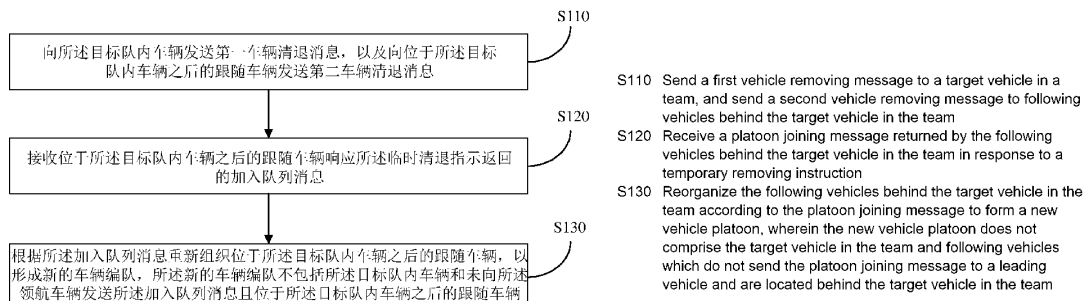


图 1

(57) Abstract: A method for controlling vehicles to drive as a platoon, and a related device. The method for controlling vehicles to drive as a platoon is applied to a leading vehicle in a target vehicle platoon, and comprises: sending a first vehicle removing message to a target vehicle in a team, and sending a second vehicle removing message to following vehicles behind the target vehicle in the team (S110), the first vehicle removing message being used for indicating that the status of the target vehicle in the team is a free status, and instructing the target vehicle in the team to drive off a target vehicle platoon, and the second vehicle removing message comprising a temporary removing instruction for instructing to temporarily remove the following vehicles behind the target vehicle in the team, the status of the following vehicles behind the target vehicle in the team being a temporary removing status; receiving a platoon joining message returned by the following vehicles behind the target vehicle in the team in response to the temporary removing instruction (S120); and reorganizing the following vehicles behind the target vehicle in the team according to the platoon joining message, so as to form a new vehicle platoon, wherein the new vehicle platoon does not comprise the target vehicle in the team and following vehicles which do not send the platoon joining message to the leading vehicle and are located behind the target vehicle in the team (S130).

(57) 摘要: 一种车辆编队行驶控制方法及相关设备。车辆编队行驶控制方法应用于目标车辆编队中的领航车

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ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
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本国际公布:

— 包括国际检索报告 (条约第21条(3))。

辆, 包括: 向目标队内车辆发送第一车辆清退消息, 向位于目标队内车辆之后的跟随车辆发送第二车辆清退消息 (S110), 第一车辆清退消息用于指示目标队内车辆的状态为自由状态, 并驶离目标车辆编队, 第二车辆清退消息中包括临时清退指示, 用于指示临时清退位于目标队内车辆之后的跟随车辆, 位于目标队内车辆之后的跟随车辆的状态为临时清退状态; 接收位于目标队内车辆之后的跟随车辆响应临时清退指示返回的加入队列消息 (S120); 根据加入队列消息重新组织位于目标队内车辆之后的跟随车辆, 以形成新的车辆编队, 新的车辆编队不包括目标队内车辆和未向领航车辆发送加入队列消息且位于目标对内车辆之后的跟随车辆 (S130)。