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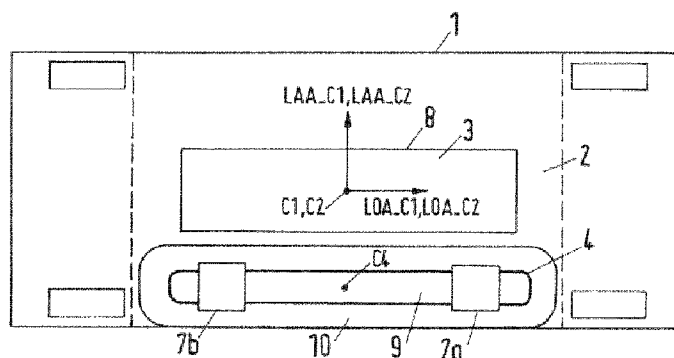
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(54) **Title:** A METHOD OF COMMUNICATION BETWEEN A VEHICLE AND A WAYSIDE CONTROL UNIT FOR CONTROLLING AN INDUCTIVE ENERGY TRANSFER TO THE VEHICLE, A VEHICLE, A WAYSIDE CONTROL UNIT AND AN ARRANGEMENT OF A VEHICLE AND A WAYSIDE CONTROL UNIT

**Fig.2**

(57) **Abstract:** The invention relates to a method of detecting a correct position and/or orientation of a secondary winding structure of a secondary unit relative to a primary winding structure (3) of a primary unit (2) of a system for inductive power transfer to a vehicle (1), wherein the vehicle (1) comprises the secondary unit for receiving an alternating electromagnetic field which is generated by the primary unit (2), wherein the vehicle (1) comprises at least a first transmitter (7a) for transmitting a first signal (13a) and a second transmitter (7b) for transmitting a second signal (13b), wherein a wayside control unit (15) comprises at least one receiving means for receiving the first and the second signal (13a, 13b), wherein the correct position and/or orientation of the secondary winding structure of the secondary unit relative to the primary winding structure (3) of the primary unit (2) is detected depending on the first and the second signal (13a, 13b).