Title (en)

DEVICE FOR SELF-LOCATION OF A TRACK-GUIDED VEHICLE

Title (de)

EINRICHTUNG ZUR EIGENORTUNG EINES SPURGEFÜHRTEN FAHRZEUGS

Title (fr)

DISPOSITIF DE LOCALISATION PROPRE D'UN VEHICULE GUIDE PAR UNE VOIE

Publication

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Application

EP 97933620 A 19970701

Priority

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Abstract (en)

[origin: US6168119B1] On vehicles on which only a single receiving antenna is provided or where a plurality of receiving antennas which are arranged side by side and are coupled to the forward and return conductors of a line conductor are provided, the phase angle of the received voltage is retained when the voltage drops below a given received level. If the level of the received voltage rises again, the prevailing phase angle of the received voltage can be compared with that of the retained received voltage. If the received voltages to be compared are found to be in phase opposition, it is deduced that a line conductor intersection point has been passed; if they are in phase, transient transmission interference is inferred. The phase angle of the comparative voltage is preferably retained by a flywheel oscillator, with the time offset between the prevailing received voltage and the comparative voltage preferably being determined by weighting the peak values of the two voltages.

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IPC 8 full level

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