



METHOD AND APPARATUS FOR
GUIDING A DRIVERLESS VEHICLE

ABSTRACT

5 A method and apparatus for guiding a
driverless vehicle along a path defined by a guide
cable carrying a current in a horizontal road
surface includes mounting a first coil, having a
major coil axis, at +45 degrees relative to the
horizontal on said vehicle, mounting a second coil,
10 having a major coil axis, at -45 degrees relative
to the horizontal on said vehicle such that the
axes of said first and second coils intersect,
sensing both the radial and circular field vectors
of the electromagnetic field with each coil,
15 comparing the magnitude of the radial vector with
the magnitude of the circular vector for each coil
whereby the lateral position of the intersection
point of the axes of the coils is determined
relative to the guide cable to indicate the lateral
20 displacement of the vehicle relative to said path,
and using the displacement information in the
vehicle steering system.