

ABSTRACT OF THE DISCLOSURE

An obstacle detection includes a transmission leakage transmission path, a receiving leakage transmission path opposite to the transmission leakage transmission path, a spread spectrum signal generation means connected to an end of the transmission leakage transmission path and generating a spread spectrum signal for detection of an obstacle for radiation from the transmission leakage transmission path. A correlation means is connected to an end of the receiving leakage transmission path so as to calculate a level of correlation between a reference spread spectrum signal and a spread spectrum signal received by the receiving leakage transmission path. A detecting means detects an obstacle in accordance with a change in the level of correlation calculated by the correlation means.

This Sheet Has Been Replaced

