

ABSTRACT OF THE DISCLOSUREOBSTACLE DETECTION DEVICE AND OBSTACLE DETECTION SYSTEM

An obstacle detection includes a transmission leakage transmission path, a receiving leakage transmission path opposite to the transmission leakage transmission path, a
5 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
10 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
15 by the correlation means.

Figure 1.



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