

Bidirectional Microwave Repeater for Obstacle Detection Radar in Guided Ground Transportation

H.H. Tan and M.S. Gupta. "Bidirectional Microwave Repeater for Obstacle Detection Radar in Guided Ground Transportation." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 343-346.

A solid-state microwave bidirectional repeater designed for use in a guided radar system is described. The radar is meant for detecting obstacles lying along the tracks in guided ground transportation systems. An echo-cancellation scheme is proposed for reducing the effect of reflections from impedance mismatches at repeater ports.

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