

Abstracts

Application of Intermediate Frequency Interferometry to Transport Vehicle Control Systems

H.I. Ewen and G.G. Haroules. "Application of Intermediate Frequency Interferometry to Transport Vehicle Control Systems." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 338-340.

The extension of intermediate frequency interferometric (IFI) principles to range as well as bearing angle measurements suggests a number of applications in which IFI methods may provide inexpensive means for determining the positions of mobile vehicles, and in particular the relative distance between two vehicles in motion. Since the method requires radio transmission from one vehicle to the other, this radio link could be used for multifunction purposes, including the transmission of identification codes and similar auxiliary data.

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