Abstracts

Potential Applications of Acoustic Matched Filters to Air-Traffic Control Systems

P.M. Grant, J.H. Collins, B.J. Darby and D.P. Morgan. "Potential Applications of Acoustic Matched Filters to Air-Traffic Control Systems." 1973 Transactions on Microwave Theory and Techniques 21.4 (Apr. 1973 [T-MTT] (Special Issue on Microwave Acoustic Signal Processing)): 288-300.

The potential role of acoustic matched filters in the demanding field of civil and military air-traffic control (ATC) systems is examined. Highlighted are the problems of current ATC systems and the significant aspects of acoustic matched filters and their expeditious usage in modems employing band spreading for a multisubscriber environment and certain envisaged ATC systems deemed necessary for future traffic growth that could benefit materially from acoustic technology.

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