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ABSTRACT

CLUTTER REJECTION IN A PASSIVE RADAR RECEIVER OF OFDM SIGNALS

5 The invention concerns a passive radar receiver for
a received orthogonal frequency division multiplex-type
signal consisting of symbol frames each emitted on coded
orthogonal carriers. After formatting the received
signals into digital symbols ($S_1 S_1$), a filtering circuit
10 (2) eliminates by subtraction or using a covariance
matrix, in the symbol signal at least spurious signals
with null Doppler effect so as to apply a filtered signal
(X') including essentially, signals backscattered by
mobile targets to a Doppler-distance correlator (4).

Selected Drawing: Fig. 5



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