

ABSTRACT

SYSTEM AND METHOD FOR IDENTIFICATION OF AN AIRBORNE OBJECT

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There is provided a processor-based method of identifying an airborne object, the method comprising: obtaining a series of target Radar Cross Section (RCS) measurements of an airborne object, with associated aspect angles of the airborne object relative to a measuring radar; calculating at least one estimation of a candidate
10 aircraft RCS time series in accordance with the series of target aspect angles, a candidate aircraft type, and at least one candidate aircraft body orientation; and determining an identification of the airborne object with an aircraft type, in accordance with the estimations of a candidate aircraft RCS time series, and the series of target RCS measurements.

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Fig. 1