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(71) Applicant (for all designated States except US): **QINETIQ LIMITED** [GB/GB]; Registered Office, 85 Buckingham Gate, London SW1E 6PD (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LYCETT, Samantha, Jane** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB).

(74) Agent: **CLARKE, Alan**; QinetiQ Limited, Intellectual Property, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 OLX (GB).

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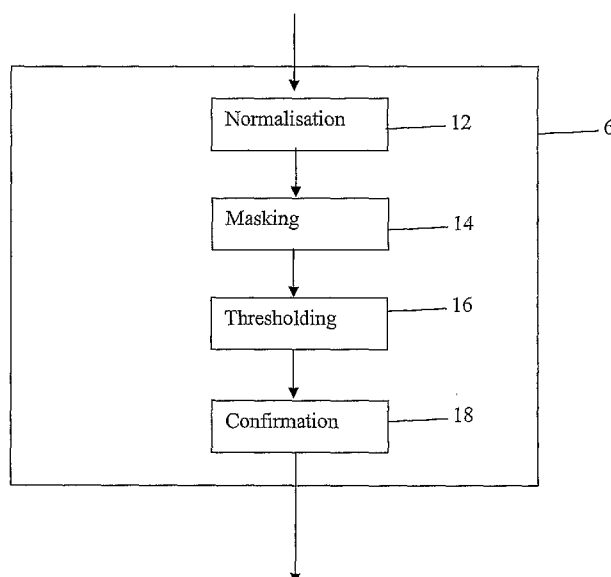
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(54) Title: METHOD AND APPARATUS FOR DETECTING A TARGET IN A SCENE



(57) Abstract: A method of detecting a target in a scene is described that comprises the step of taking one or more data sets, each data set comprising a plurality of normalised data elements, each normalised data element corresponding to the return from a part of the scene normalised to a reference return for the same part of the scene. The method then involves thresholding (16) at least one of the normalised data elements of each of said one or more data sets. The thresholding step (16) comprises comparing each of the normalised data elements to at least first and second thresholds, wherein the first threshold is greater than the second threshold. The use of one or more confirmation scans (18) in combination with the thresholding step is also described. A radar system is also described that uses the method to detect foreign object debris (FOD) on a surface such as an airport runway.

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