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(32) Priority Date	:03/03/2011	Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur
(33) Name of priority country	:France	Seine France
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(57) Abstract :

The invention relates to a method for detecting and characterising a moving target (104) on a radar image. The invention also relates to SAR GMTI type radar devices associated with image processing means. The method comprises a first phase for detecting the moving target in radar images followed by a second phase for characterising moving targets. The method enables SAR images to be obtained on which the detected moving targets are correctly positioned and associated with a speed vector. The invention applies to radar monitoring for an airborne vehicle (101) such as an aircraft or a satellite.

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