



(12) **United States Patent**
Aker

(10) **Patent No.:** **US 6,501,418 B1**

(45) **Date of Patent:** **Dec. 31, 2002**

(54) **PATROL SPEED ACQUISITION IN POLICE DOPPLER RADAR**

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **10/120,120**

(22) **Filed:** **Apr. 9, 2002**

(51) **Int. Cl.⁷** **G01S 13/60**

(52) **U.S. Cl.** **342/104; 342/114; 342/115**

(58) **Field of Search** **342/104, 112, 342/114, 115, 116, 117, 192, 194, 195, 196, 99**

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(57) **ABSTRACT**

A process and apparatus to automatically determine whether a police radar is installed in a vehicle which has a coupling between a vehicle speed sensor and the police radar. The process automatically, without any operator input, determines the correct ratio between the true ground speed and the frequency output by vehicle speed sensor at that ground speed. The process and apparatus then use that ratio and the frequency from the vehicle speed sensor to establish a software search window that limits the speed range of the search by the police traffic radar for the true ground speed.

4 Claims, 11 Drawing Sheets

PROCESS TO USE V_{SS} RATIO AFTER CALIBRATION PROCESS COMPLETED - PREFERRED EMBODIMENT

