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(54) **SYSTEM AND METHOD FOR PROCESSING RADAR DATA**

(75) Inventors: **John L. Aker**, Kansas City, MO (US);
Alan B. Mead, Plano, TX (US);
Robert S. Gammenthaler, Princeton,
TX (US); **Robert V. Vanman**,
McKinney, TX (US)

(73) Assignee: **Applied Concepts, Inc.**, Plano, TX
(US)

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(58) **Field of Search** **342/104-116**

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Primary Examiner—Stephen C. Buczinski

(74) *Attorney, Agent, or Firm*—Christopher J. Rourke; Akin
Gump Strauss Hauer & Feld, LLP

(57) **ABSTRACT**

A system for processing radar data from two or more areas
of interest is provided, such as for simultaneously process-
ing vehicle speeds in the opposite lane in front of the patrol
vehicle and in the opposite lane behind the patrol vehicle.
The system includes an antenna signal processor that
receives radar data from one or more radar antennae and
generates speed data for a first vehicle travelling in a first
direction relative to a radar observation point and a second
vehicle travelling in a second direction relative to the radar
observation point. A display generator system receives the
speed data and user-entered display control data, and gen-
erates user-readable display data based on the speed data and
the user-entered display control data.

24 Claims, 7 Drawing Sheets

