APPLICANT: DAVID J LEE, CLOVER~~VILLE~~, SC; THOMAS M SAVCHICK, NOBLESVILLE, IN.

CONTINUING DATA********
VERIFIED

none AL

FOREIGN/PCT APPLICATIONS********
VERIFIED

none AL

FOREIGN FILING LICENSE GRANTED 02/11/97

Foreign priority claimed ☐ yes ☑ no / 35 USC 119 conditions met ☐ yes ☑ no / Verified and Acknowledged AL Examiner's initials	AS FILED	STATE OR COUNTRY	SHEETS DRWGS.	TOTAL CLAIMS	INDEP. CLAIMS	FILING FEE RECEIVED	ATTORNEY'S DOCKET NO.
		IN	3	11	1	$770.00	H-195076

ADDRESS
DELCO ELECTRONICS CORPORATION
ERC BUILDING M S D 32
PO BOX 9005
KOKOMO IN 46904

TITLE
METHOD OF IMPROVING ZONE OF COVERAGE RESPONSE OF AUTOMOTIVE RADAR

U.S. DEPT. OF COMM./ PAT. & TM—PTO-436L (Rev.1

PARTS OF APPLICATION FILED SEPARATELY

Applications Examiner

NOTICE OF ALLOWANCE MAILED: 7-22-97

ANH LA
Assistant Examiner

CLAIMS ALLOWED: Total Claims 12; Print Claim 1

ISSUE FEE: Amount Due 1290.00; Date Paid 9/22/97

JEFFERY HOFSASS
SUPERVISORY PATENT EXAMINER
GROUP 2600
Primary Examiner

DRAWING: Sheets Drwg. 3; Figs. Drwg. 10; Print Fig. 5

ISSUE BATCH NUMBER: P50

Label Area

PREPARED FOR ISSUE

WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A (Rev. 8/92)

LO

ISSUE FEE IN FILE

08/762,090	12/09/96	342	2201

APPLICANT

MICHAEL J SHORKEYON, NOBLESVILLE, IN; DAVID J J LEE, CLOVERVILLE, SC;
THOMAS H SAVCHICKK, NOBLESVILLE, IN.

CONTINUING DATA********
VERIFIED

_____

FOREIGN/PCT APPLICATIONS********
VERIFIED

_____

FOREIGN FILING LICENSE GRANTED 02/11/97

STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS	FILING FEE RECEIVED	ATTORNEY DOCKET NO.
IN	3	11	1	$770.00	H-195076

ADDRESS

DELCO ELECTRONICS CORPORATION
ERC BUILDING M S D 32
PO BOX 9005
KOKOMO IN 46904

TITLE

METHOD OF IMPRIVING ZONE OF COVERAGE RESPONSE OF AUTOMOTIVE RADAR

This is to certify that annexed hereto is a true copy from the records of the United States Patent and Trademark Office of the application which is identified above.

By authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS

Date Certifying Officer

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

310 YC 04-0549 12/30/96 08762090
31011 101 770.00CH H-195076

PTO-1556
(5/87)

Box Patent Application
Washington, D.C. 20231

Sir:

Enclosed for filing are the following patent application papers:

Docket No.: H-195076

Inventors: Mark Ford Henderson
Michael John Shorkey
David James Lee
Thomas Hays Savchick

Title: METHOD OF IMPORVING ZONE OF COVERAGE RESPONSE OF AUTOMOTIVE RADAR

Filing Fee Formula

Basic Fee.....	$ 770.00
Additional Fees:	
Number of independent claims in excess of 3, times $80.00.....	$ 0.00
Number of claims in excess of 20, times $22.00.....	$ 0.00
Multiple dependent claim, add $260.00.....	$ 0.00
Total Filing Fee.....	$ 770.00

The patent specification h-195076 entitled METHOD OF IMPROVING ZONE OF COVERAGE RESPONSE OF AUTOMOTIVE RADAR and filed in the Patent and Trademark Office herewith is the patent specification for which the inventor(s) executed the Declaration enclosed herewith.

Please charge the $770.00 filing fee to Delco Electronics Deposit Account No. 04-0549.

MARY S. MOORE
Reg. No. 37,245
317/451-34867

This invention relates to the control of side detection automotive radar systems and particularly to a method of controlling an alarm or alert indicator to enhance the perceived coverage of a blind spot.

Background of the Invention

Vehicle mounted near object detection systems utilize various means for detecting and identifying targets of interest in their vicinity. The target information is useful in collision warning systems wherein the system notifies the vehicle operator that an object is positioned to present collision potential. While many forms of near object detection systems presently exist, generally those utilizing radar transceivers and related signal processing techniques do the best job of reliably detecting targets within range over variations in environment.

Such near object detection systems use radar, preferably microwave radar, to "illuminate" a target of interest by transmitting energy with certain signatory characteristics and then monitoring for similar return signals reflected from an object. Microwave transmissions with approved power levels and spectra generally experience lower overall attenuation with weather and are less susceptible to "scattering" effects than are other transmission media utilized by systems of this type. Properties of the reflected signal are analyzed using established (proprietary) techniques to determine relevance to the interests of the driver of a vehicle equipped with such a system. Information derived

2

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.