

**PACKAGE ID** - 001201IBMPC00 GPSR

**KWIC TITLE** - Global Positioning Satellite Recorder

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**LIMITATION CODE** -COPY                   **AUDIENCE CODE** - LIM

**COMPLETION DATE** - 06/29/1994   **PUBLICATION DATE** - 10/01/1994

**DESCRIPTION** - The GPS Tracker is a device (automotive unit) that records position (latitude and longitude), date, and time autonomously with time. The data from the GPS Tracker can be used offline with a personal computer and map data base to plot the track of where a vehicle or other mobile battery powered object has been. The invention simplifies field operations for recording location autonomously by obviating the need to execute a set of detailed instructions prior to operation. The vehicle combines GPS technology and a cpu with custom software to accomplish the task.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; Media Includes Source Code, User's Guide;

**SOURCE CODE INCLUDED?** - Yes

**MEDIA QUANTITY** - 1 3.5 Diskette

**METHOD OF SOLUTION** - The tracker is plugged into the vehicle cigarette lighter, placed on the dash or clipped to the visor and a small flat magnetic pancake antennae placed on the roof. The automotive unit consists of a power switch, 3 indicator lights, a small external antennae and a data card.

**COMPUTER** - IBM PC

**OPERATING SYSTEMS** - DOS

**PROGRAMMING LANGUAGES** - Microsoft C

**SOFTWARE LIMITATIONS** - Limited by size disc in the machine as to how much data it can record. Antennae has to be able to see three satellites.

**SOURCE CODE AVAILABLE (Y/N)** - Y

**UNIQUE FEATURES** - The invention has simplified recording or tracking of the position of a vehicle or other object to the task of installing a data card, attaching an antennae, and turning the unit on. The device is a unique combination of a commercial hardware and custom software to perform the task. The GPSR software acquires and records global positioning data from the GPSR unit at user

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**UNIQUE FEATURES - (CONT)** specified time intervals without operator interaction. The field data is then translated into formats for commercial mapping systems.

**HARDWARE REQS** - Has to have Navacore GPSR and antennae.

**ABSTRACT STATUS** - Realsed AS-IS 3/19/98

**SUBJECT CLASS CODE** - Z

**KEYWORDS** -  
COMPUTER PROGRAM DOCUMENTATION  
S CODES  
POSITIONING

**EDB SUBJECT CATEGORIES** -  
990200

**SPONSOR** - DOE/ER

**PACKAGE TYPE** - AS - IS