

33 - 20 - 01

A/prov

03/19/01
J1035 U.S. PTO

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

Asst. Commissioner for Patents
Box Provisional Application
Washington, DC 20231

Sir:

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

INVENTOR:	<u>Given Name</u>	<u>Family Name</u>	<u>Residence</u>
	Michael V.	Ryden	62290 Jay Jay Road Montrose, CO 81401

TITLE OF THE INVENTION:

LOCATION BASED COMMUNICATIONS SYSTEM

CORRESPONDENCE ADDRESS:

- ☐ 1. Customer No. _____ Bar Code Label Here
or
☒ 2. Name: Allen H. Erickson
 Address: 3493 Dayton Terrace South
 City: Inverness State: FL ZIP: 34452
 Country: USA Phone: (352) 341-4803 FAX: (352) 341-4803

ENCLOSED APPLICATION PARTS:

- ☒ Specification 41 pages. ☐ CD's, Number _____.
☒ Drawings, 12 sheets. ☐ Other _____.
☒ Appln. Data Sheet (see 37 CFR 1.76).

METHOD OF PAYMENT OF FILING FEES

- ☒ Applicant claims small entity status (see 37 CFR 1.27).
☒ Check no. 7843 for \$ 75.00 enclosed.
☐ The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account No. _____.
☐ Payment by credit card. Form PTO-2038 is attached.

FILING FEE AMOUNT: \$75.00

The invention was made by an agency of the U.S. Government or under a contract with an agency thereof.

- ☒ No
☐ Yes. The name of agency and contract number are _____

Respectfully submitted,

Signature: Allen H. Erickson
 Name: Allen H. Erickson Registry: 29,792
 Telephone: (352) 341-4803 Docket No: 6190
 Date: March 19, 2001

1c996 U.S. PTO
60/277117
03/19/01

**PROVISIONAL
PATENT APPLICATION
DATA SHEET**

Docket No. 6190

INVENTOR INFORMATION

Inventor One Given Name: Michael V.
Family Name: Ryden
Postal Address Line One: 62290 JayJay Road
City: Montrose
State or Province: CO
Postal or Zip Code: 81401
Citizenship Country: USA

CORRESPONDENCE INFORMATION

Name Line One: Allen H. Erickson
Address Line One: 3493 Dayton Terrace South
City: Inverness
State or Province: FL
Postal or Zip Code: 34452
Telephone: (352) 341-4803
Fax: (352) 341-4803

APPLICATION INFORMATION

Title Line One: LOCATION BASED COMMUNICATIONS SYSTEM
Total Drawings Sheets: 12
Formal Drawings?: Yes
Application Type: Provisional
Docket Number: 6190

REPRESENTATIVE INFORMATION

Registration Number One: 29,792

PATENT
Docket 6190

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: ET286535411US

Date of Deposit with USPS: March 19, 2001

Person mailing Deposit: Allen H. Erickson

Signature Allen H. Erickson

PROVISIONAL APPLICATION

for

LOCATION BASED COMMUNICATIONS SYSTEM

Inventor:

Michael V. Ryden
62290 Jay Jay Road
Montrose, Colorado 81401
United States of America
Phone: (970) 249-2703

Agent:

Allen H. Erickson
Registration No. 29,792
3493 Dayton Terrace South
Inverness, Florida 34452-7111
Phone Number (352) 341-4803
CUSTOMER NO. 25202

LOCATION BASED COMMUNICATIONS SYSTEM

FIELD OF THE INVENTION

The present invention relates generally to communications systems. More particularly, the invention pertains to apparatus and methods for enhanced local and wide-area communications between stationary and/or roving telephone units on land, at sea, and in the air.

BACKGROUND OF THE INVENTION

A variety of wireless communications systems are used to provide voice and data transmission to and from subscriber telephonic units within a prescribed geographic area. Analog cellular systems such as those designated as AMPS, ETACS, MMT-450 and MMT-900 have been deployed throughout the world. Subsequently, digital cellular systems have become common, and include the so-called personal communications system (PCS) including those denoted as IS-95m OCS-1900, PACS, DCS-1800, DECT, PHS and other names. PCS systems generally utilize a radio frequency band of about 2 gigahertz (Ghz) for both voice and data transmission.

In a conventional terrestrial wireless communication system, wireless mobile terminals, i.e. cellular phones may communicate with a plurality of cells served by base stations and a mobile telephone switching office. Communication is enabled between mobile telephones and

between a mobile telephone and a land line terminal, e.g. conventional telephone or computer.

5 Celestial wireless communications systems are known, and comprise typically a plurality of earth satellites that serve as transponders or relays for radio communications between earth stations and wireless satellite mobile terminals. Such cellular systems may utilize a single antenna beam covering the entire area served by the system, or alternatively, the system may produce multiple beams
10 (with minimal overlap), each beam serving a distinct geographic coverage area within the service region. Thus, a satellite and coverage area serve the same purpose as a base station and a cell of a non-satellite cellular communications system.

15 Various systems for locating one's earth position are in place including the well-known Global Positioning System (GPS). In this application, electronic position locating systems will be referred to generically as physical location systems (PLS).

20 Various methods and apparatus for integrating a physical location system (PLS) such as a global position satellite system (GPS) with a satellite communications system are described in the patent literature, as noted below.

25 In U.S. Patent No. 5,448,623 of Wiedeman et al., a satellite communications system is disclosed having a network of gateways which interface with a terrestrial communications system.

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.