

12-07-99

Please type a plus sign (+) inside this box →

PTO/SB/16 (12-97)
Approved for use through 1/31/98. OMB 0651-0037
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

+

A/PROV

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

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

INVENTOR(S)

Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Michael E.	Shanahan	Nyack, New York

Additional inventors are being named on the _____ separately numbered sheets attached hereto

TITLE OF THE INVENTION (280 characters max)

Methods And Apparatus For Programming User-Defined Information Into Electronic Devices

Direct all correspondence to: **CORRESPONDENCE ADDRESS**

Customer Number → Place Customer Number Bar Code Label here

OR
Type Customer Number here

Firm or Individual Name **Michael E. Shanahan**

Address

Address **P.O. Box 381**

City **Nyack** State **N.Y.** ZIP **10960**

Country **USA** Telephone **914-365-2321** Fax

ENCLOSED APPLICATION PARTS (check all that apply)

Specification Number of Pages Small Entity Statement

Drawing(s) Number of Sheets Other (specify)

METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)

A check or money order is enclosed to cover the filing fees


The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number:

FILING FEE AMOUNT (\$) **\$75.00**

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

No.

Yes, the name of the U.S. Government agency and the Government contract number are: This invention may have been made under Govt. Contract No. F4164-94-D-1018, although a final determination has not yet been made.

Respectfully submitted, 

SIGNATURE _____

TYPED or PRINTED NAME Michael E. Shanahan

TELEPHONE 914-365-2321

Date 12/6/99

REGISTRATION NO.

(if appropriate)
Docket Number: **MES/001 PROV.**

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, DC 20231.

12/06/99
JCS44 U.S. PTO

1:541 U.S. PTO
60/169158
12/06/99

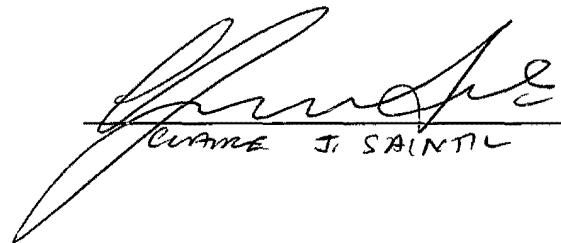
Attorney Docket No. MES/001PROV.

Applicant(s) : Michael E. Shanahan
Title : METHODS AND APPARATUS FOR
PROGRAMMING USER-DEFINED INFORMATION
INTO ELECTRONIC DEVICES
Filed Date : December 6, 1999
Serial No. : NOT YET KNOWN

“Express Mail” mailing label number EH62326558505

Date of Deposit December 6, 1999

I hereby certify that this paper/fee is being deposited with the United States Postal Service “EXPRESS MAIL POST OFFICE TO ADDRESSEE” service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Hon. Assistant Commissioner for Patents, Washington, D.C. 20231.


EUGENE J. SANTI

Encl:

- Application, 4 sheets of drawings
- Check in the amount of \$75.00
- Verified Statement claiming small Entity (independent inventor)

Practitioner's Docket No. MES/001 Prov.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael E. Shanahan

Application No.: Not Yet Assigned

Filed on: December 6, 1999

Title: Methods And Apparatus For Programming User-Defined Information Into Electronic Devices

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(b))--INDEPENDENT INVENTOR**

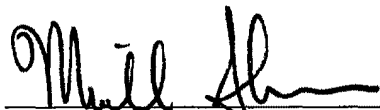
As a below named inventor, I hereby state that I qualify as an independent inventor, as defined in 37 CFR 1.9(c), for purposes of paying reduced fees to the United States Patent and Trademark Office under Sections 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office, with regard to the invention described in the specification filed herewith, with title as listed above.

I have not assigned, granted, conveyed or licensed, and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c), if that person had made the invention, or to any concern that would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

No person, concern or organization exists to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Michael E. Shanahan



Signature of Inventor

Date

12/6/99

**METHODS AND APPARATUS FOR PROGRAMMING
USER-DEFINED INFORMATION INTO ELECTRONIC DEVICES**

The purpose of this invention is to provide a way for electronic device users to program their own customized audio and video into their device. For the purposes of this disclosure, audio may be any acoustic signal generated by an electronic device that alerts a user to a certain event. Examples of audio may include the ringing of a telephone, a pager beeping, a personal digital assistant (PDA) generating an acoustic sound, *etc.* Examples of video may include video clips or digital pictures stored in a wireless telephone or a PDA, *etc.*

Currently, users of electronic devices have to choose from among a limited selection of pre-programmed audio or video available on their electronic device (*e.g.*, wireless telephone, regular telephone, pager, PDA, and the like) which are placed there by the manufacturer. Such audio may include "ring sequences" which tend to be rather clinical and can be confusing when a device of a nearby user rings with the same or similar ring to that of another user. It would therefore be desirable to provide a way to allow users to program their own customized audio or video such as music samples, video clips (sample/clip) or other sound or video effects into their device.

FIG. 1 shows a generalized block diagram of system 10 for programming user-defined audio or video into an electronic device in accordance with the principles of the present invention. As shown in FIG. 1, system 10 includes programmable electronic device 20, device programmer 30, and source 50. Programmer 30 is connected to source 50 via link 31, and to device 20 via link

32. Source 50 may be any device or devices suitable for providing a desired audio or video sample to programmer 30 (e.g., CD or DVD player, cassette player, programs or files from a personal computer, or any other suitable digital or analog device or audio/video source). In operation, a desired video clip or audio sample, such as a sample of a popular song and/or video clip, in a digital or analog format is supplied to programmer 30 from source 50. Programmer 30 may process (or simply route) the sample and/or clip, into a suitable format, and then program it into a programmable memory within device 20. Device 20 may then retrieve and play the audio or video when a certain event occurs (e.g., when receiving an incoming telephone call).

Programmer 30 may also coordinate or perform certain functions related to the routing and storing the sample/clip within device 20. For example, programmer 30 may communicate with or simply search device 20 to find available memory locations to store the sample/clip. Programmer 30 may also communicate with device 20 to determine what format to convert the incoming sample/clip to (e.g., from CD format to MP3 format, from analog to a simple digital format, etc.) so that they are compatible with device 20. If multiple sample/clips are being programmed into device 20, programmer 30 may "tag" the different samples/clips so device 20 and/or a user may distinguish among the different samples/clips stored therein. After the sample/clip has been provided, programmer 30 may communicate with device 20 to confirm that device 20 has correctly received the sample/clip.

It will be understood that the generalized system shown in FIG. 1 may be implemented in many ways. For example, as shown in FIG. 3, system 100

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.