FEE TRANSMITTAL
for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☑ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	($) 734.00

Complete if Known

Application Number	
Filing Date	AUGUST 11, 2004
First Named Inventor	MICHAEL E. SHANAHAN
Examiner Name	
Art Unit	
Attorney Docket No.	MES/007

METHOD OF PAYMENT *(check all that apply)*

☑ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number

Deposit Account Name

The Director is authorized to: *(check all that apply)*

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☐ Charge any additional fee(s) or any underpayment of fee(s)

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) ($) 385

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims		Fee from below		Fee Paid
Total Claims	40	-20** = 20	X 9	=	180
Independent Claims	6	- 3** = 3	X 43	=	129
Multiple Dependent				=	0

Large Entity		Small Entity		
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 309.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION *(continued)*

3. ADDITIONAL FEES

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for *ex parte* reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 40.00

SUBMITTED BY

					Complete *(if applicable)*
Name (Print/Type)	SCOTT H. KALIKO	Registration No. (Attorney/Agent)	45786	Telephone	201-831-0575
Signature				Date	8/11/2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MICHAEL E. SHANAHAN

Application No.:   Not Yet Assigned

Title of Invention: METHODS AND APPARATUSES FOR PROGRAMMING
                       USER-DEFINED INFORMATION INTO
                       ELECTRONIC DEVICES

Filed: AUGUST 11, 2004

Group No.:   Not Yet Assigned

Examiner: Not Yet Assigned

Commissioner for Patents
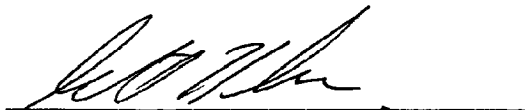P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number: Express Mail No. ER248402366US
Date of Deposit : AUGUST 11, 2004

I hereby state that the following *attached* paper or fee

2004 Fee Transmittal (2 copies);
Check in the amount of $734.00 (Small Entity Status
Claimed) payable to the Commissioner for Patents;
Utility Patent Application Transmittal;
Specification, Abstract, and 40 Claims,
13 Sheets of Formal Drawings;
Executed Declaration from parent application;
Power of Attorney/Correspondence Address
Statement under 37 C.F.R. 3.73(b)(with assignment attached;
Recordation of Assignment with assignment attached.

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 Commissioner for Patents, P.O. Box 1450, Alexandria, VA
22313-1450.

_____

METHODS AND APPARATUSES FOR PROGRAMMING
USER-DEFINED INFORMATION INTO ELECTRONIC DEVICES

[001]   This application is a continuation of United States patent application serial number 10/223,200, filed August 16, 2002, which is a continuation of United States Patent 6,496,692, filed March 3, 2000; which claims priority from United States provisional application serial number 60/169,158 filed December 6, 1999.

Background of the Invention

[002]   This application relates to electronic devices, and more particularly to a programming apparatus that allows users to program user-defined information into their electronic device.

[003]   There are many types of electronic devices available to consumers today that have the ability to produce both audio sounds and video displays. Many of these devices provide users with the ability to select and play a particular piece of audio or video. A television viewer, for example, may tune to a TV channel and watch a particular program, or connect a VCR or DVD player to the television in order to view a specific program not currently being broadcast. Similarly, an audio system user may tune a receiver to a particular radio station to hear a certain genre of music, or

connect a CD or tape player to the system in order to hear specific pieces of music. In both cases, the audio and video is user-selectable.

[004]   Currently, however, there are many electronic products that offer an audio/video playing capability that are not fully user-programmable. Users of such devices (*e.g.*, wireless or cordless telephones, pagers, personal digital assistants (PDAs), hand-held computers and the like) have to choose from a limited selection of pre-programmed information (*e.g.*, audio clips, video clips or frames, *etc.*) placed there by the manufacturer. This severely limits the user's ability to customize the device to suit his or her particular taste. Furthermore, most pre-programmed audio tends to be rather generic and can be confusing when a device of a nearby user generates a sound similar to or the same as that of another user's device. Although a programmable memory within many such electronic devices could support user-defined audio, currently, no system exists for programming such information into an electronic device.

[006]   The same is true for user-defined video. For example, certain types of user-defined video information, such as video clips, frames, and other digital or analog images could be programmed into an electronic device (*e.g.*, PDA, wireless phone, or any portable display device) and displayed at a time of the user choosing. Although a programmable memory within such a device could support user-defined video, currently, no system exists for programming such information into the device.

Summary Of The Invention

[007]   It is therefore an object of the present invention to provide an apparatus that allows a user to program user-defined audio information into a programmable electronic device.

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[008] It is a further object of the present invention to provide an apparatus that allows a user to program user-defined video information into a programmable electronic device.

5   **[009]** These and other objects of the present invention are accomplished by providing methods apparatuses that allow a user to program user-defined information into his or her electronic device. In one embodiment of the present invention, the programming

10   apparatus includes processing circuitry and first and second communications links. In operation, a user selects a piece of information from a source such as a computer disk drive, the Internet, or a remote database using the first communications link. The programming

15   apparatus may download this information and compare its format with that required by the programmable device to determine format compatibility. If the two formats are compatible, the programming apparatus may download the selected information into the programmable device. If

20   the formats are not compatible, the programming apparatus may convert the downloaded file to a format compatible with that required by the programmable electronic device. The programming apparatus may also provide the user with an opportunity to edit the converted file. Once editing

25   is complete, the resulting file may then be programmed into the programmable device for subsequent use.

  [010] In another aspect of the invention, a user may send customized information such as an audio or video file called a "signature" when placing a telephone call.

30   This feature allows a user to select and send a signature file to the person receiving the telephone call such that the person receiving the call is alerted by that file.

Brief Description Of The Drawings

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