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4230 U.S. PAT.

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# FEE TRANSMITTAL for FY 2004

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

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

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 734.00)

### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

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### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	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

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

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
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 Fee Code (\$)	Small Entity Fee Code (\$)	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 <i>ex parte</i> 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)

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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  
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"Express Mail" label number: Express Mail No. ER248402366US  
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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  
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22313-1450.



5                   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  
10 March 3, 2000; which claims priority from United States  
provisional application serial number 60/169,158 filed  
December 6, 1999.

Background of the Invention

15 [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  
20 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  
25 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.

5 **[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  
10 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  
15 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  
20 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  
25 (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.

30 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.

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

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25  
30 **[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. 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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