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ISSUING CLASSIFICATION							
ORIGINAL		CROSS REFERENCE(S)					
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
709	217	709	219	225	313	329	
INTERNATIONAL CLASSIFICATION							
G 06 F	13/00						

Continued on Issue Slip Inside File Jacket

<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
	7	7	1	20	1
<input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner)			NOTICE OF ALLOWANCE MAILED	
<input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____	_____ VIET D. VU PRIMARY EXAMINER (Primary Examiner)			11-21-00	
	11-20-00 (Date)			ISSUE FEE	
<input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.	_____ (Legal Instruments Examiner)			Amount Due	Date Paid
	11/00 (Date)			\$1,240.00	2/20/01
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				V37	

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ISSUE FEE IN FILE

(LABEL AREA)
Patent Drawings shits)est

3.	Doc for mirsky	4-12-99
4.	I.D.S.	4-12-99
5.	Correction	4-12-99
6.	IDS	5-14-99
7.	Pre-empt/A	5-21-99
8.	Pla Rodriguez	12-21-99
9.	Re BMS	2/4/00
10.	Response	4-12-00
11.	Re BMS	07-12-00
12.	Ext Interrog Summary	7-21-00
13.	Response	7-21-00
14.	Supp B	11-15-00
15.	Formal Drawings C	11-21-00
16.	Formal Drawings (7 shts) set	2/20/01

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Claim		Date
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If more than 150 claims or 10 actions

Class	Sub.	Date	Exmr.
709	202 203 217 219 223 225 230 250 273 319 328 329	4-6-00	VV.
updated	all	7-19-00	VV.
updated	all	10-11-00	VV.

	Date	Exmr.
EAST	4-6-00	VV.
EAST	7-19-00	VV.

INTERFERENCE SEARCHED			
Class	Sub.	Date	Exmr.
709	217 219 225 313 329	11-20-00	VV.



(12) **United States Patent**
Luo et al.

(10) **Patent No.:** **US 6,216,158 B1**
(45) **Date of Patent:** **Apr. 10, 2001**

(54) **SYSTEM AND METHOD USING A PALM SIZED COMPUTER TO CONTROL NETWORK DEVICES**

5,923,885 * 7/1999 Johnson et al. 395/712
5,964,836 * 10/1999 Rowe et al. 709/221
5,973,696 * 10/1999 Agranat et al. 345/357

(75) Inventors: **Wenjun Luo**, Fremont; **Elaine P. Lusher**, Pleasanton, both of CA (US)

OTHER PUBLICATIONS

M.G. Lamming, *Institute for Personalized Information Environment 1994* "Towards Future Personalised Information Environments" *Technical Report EPC-1994-104*, Dec. 21, 1993.

(73) Assignee: **3COM Corporation**, Santa Clara, CA (US)

McCandless, Michael, "The PalmPilot and the Handheld Revolution", *IEEE Expert*, Nov./Dec. 1997, pp. 6-8.

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

* cited by examiner

(21) Appl. No.: **09/237,609**

Primary Examiner—Viet D. Vu

(22) Filed: **Jan. 25, 1999**

(74) *Attorney, Agent, or Firm*—Mark A. Haynes; Haynes & Beffel LLP

(51) **Int. Cl.**⁷ **G06F 13/00**

(57) **ABSTRACT**

(52) **U.S. Cl.** **709/217; 709/219; 709/225; 709/313; 709/329**

Controlling network services using palm sized computers is described. A program on the palm sized computer is used to access a registry of network services that may be available. The registry includes descriptions for various services. Each description includes at least a reference to program code that can be downloaded to the palm sized computer. Executing this program causes the palm sized computer to issue commands directly to the specific network services needed. In some cases, these network services include application services for running desktop applications that the palm sized computer could not execute.

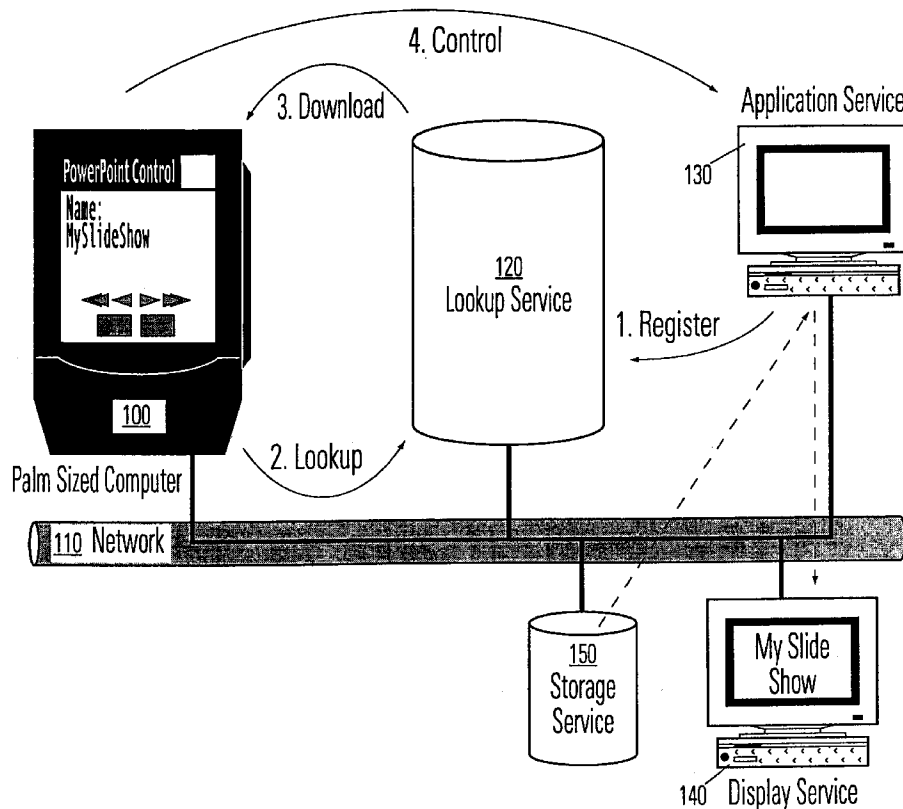
(58) **Field of Search** 709/202, 203, 709/217, 219, 223, 225, 230, 250, 313, 319, 328, 329

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,564,070 * 10/1996 Want et al. 455/507
5,790,977 * 8/1998 Ezekiel 702/122
5,832,506 * 11/1998 Kuzma 707/200
5,909,545 * 6/1999 Frese II et al. 709/208

20 Claims, 7 Drawing Sheets



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