

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

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- (54) **DOWNLOADABLE MULTIMEDIA CONTENT AND METHOD FOR ACCOUNTING** 4,868,561 A 9/1989 Davis
5,414,751 A 5/1995 Yamada
5,452,354 A 9/1995 Kyronlahti et al.
5,689,560 A * 11/1997 Cooper et al. 705/52
5,887,266 A 3/1999 Heinonen et al.
5,905,736 A * 5/1999 Ronen et al. 370/546
5,909,492 A * 6/1999 Payne et al. 705/78
5,915,021 A 6/1999 Herlin et al.
5,930,026 A 7/1999 Jacobson et al.
5,948,061 A * 9/1999 Merriman et al. 709/219
5,960,411 A * 9/1999 Hartman et al. 705/26
5,961,804 A 10/1999 Jacobson et al.
6,017,584 A 1/2000 Albert et al.
6,023,689 A 2/2000 Herlin et al.
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 610 days.

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(65) **Prior Publication Data**

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(51) **Int. Cl.**

G06F 15/16 (2006.01)
G06F 7/00 (2006.01)
H04M 3/00 (2006.01)

(52) **U.S. Cl.** **709/219**; 200/203; 200/232; 707/1; 455/419

(58) **Field of Classification Search** 709/203, 709/217, 218, 219, 200, 232; 705/14, 26, 705/30, 35, 75; 455/419; 707/1
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,640,986 A 2/1987 Yotsutani et al.

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 851 649 7/1998

(Continued)

OTHER PUBLICATIONS

Colkin, E.; "Wireless Ads: Effective or Intrusive?"; <http://www.techweb.com/wire/story/TWB20001218S0012>; Dec. 18, 2000.

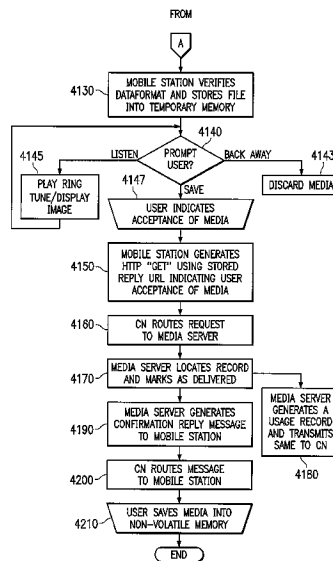
(Continued)

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(57) **ABSTRACT**

A novel system to deliver and reproduce personalizing ring-tone data or other such multimedia content to a wireless handset's browser is provided. Additionally, a novel system is provided that allows a consumer to preview the multimedia content (e.g. ring tune, bit-map) and either approve or decline being billed for the particular multimedia message content.

27 Claims, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

6,047,051	A	4/2000	Ginzboorg et al.	
6,047,268	A *	4/2000	Bartoli et al.	705/35
6,058,375	A *	5/2000	Park	705/30
6,072,716	A	6/2000	Jacobson et al.	
6,078,806	A	6/2000	Heinonen et al.	
6,078,820	A	6/2000	Wells et al.	
6,085,100	A	7/2000	Tarnanen	
6,094,587	A	7/2000	Armanto et al.	
6,118,426	A	9/2000	Albert et al.	
6,120,588	A	9/2000	Jacobson	
6,120,839	A	9/2000	Comiskey et al.	
6,125,281	A	9/2000	Wells et al.	
6,130,773	A	10/2000	Jacobson et al.	
6,151,507	A	11/2000	Laiho et al.	
6,157,377	A *	12/2000	Shah-Nazaroff et al.	345/719
6,163,711	A	12/2000	Juntunen et al.	
6,216,112	B1 *	4/2001	Fuller et al.	705/14
6,647,260	B2 *	11/2003	Dusse et al.	455/419
2002/0013167	A1 *	1/2002	Spaur et al.	463/11
2002/0049717	A1 *	4/2002	Routtenberg et al.	707/1
2002/0059363	A1 *	5/2002	Katz et al.	709/203
2003/0036974	A1 *	2/2003	Allen	705/27
2004/0160911	A1 *	8/2004	Zilliacus et al.	370/328

FOREIGN PATENT DOCUMENTS

EP	1 043 906	10/2000
----	-----------	---------

JP	2000-134332	5/2000
JP	2001-350479	12/2001
JP	2002-073053	3/2002
WO	WO 96/06417	2/1996
WO	WO 96/06508	2/1996
WO	WO 97/40615	10/1997
WO	WO 98/56202	12/1998
WO	WO 99/34639	7/1999
WO	WO 00/28746	5/2000
WO	WO 00 36857	6/2000
WO	WO 00/57617	9/2000

OTHER PUBLICATIONS

"yourmobile"; http://www.yourmobile.com/customer_support/help_home.asp?userid=&usertype=0; Oct. 24, 2000.
M. Nilsson: "ID3 tag version 2.3.0" Informal Standard, (Online) Feb. 3, 1999, XP992236792 Retrieved from the Internet: <URL: <http://www.id3.org/id3v2.3.0.txt>> [retrieved on Apr. 1, 2003].
Stevens, W. Richard: "TCP/IP Illustrated: the protocols" 1994, Addison Wesley XP002236793 ISBN 0201633469; pp. 191-194.
"Nokia Multimedia Messaging: As SMS Evolves to Mobile Multimedia, Profitable Opportunities Abound," White Paper, 1999, 12 pages, Nokia, Finland.
Sippola, J., "Tone Task Specification," Feb. 1, 1996, 41 pages, Version 10-0, Nokia Mobile Phones.

* cited by examiner

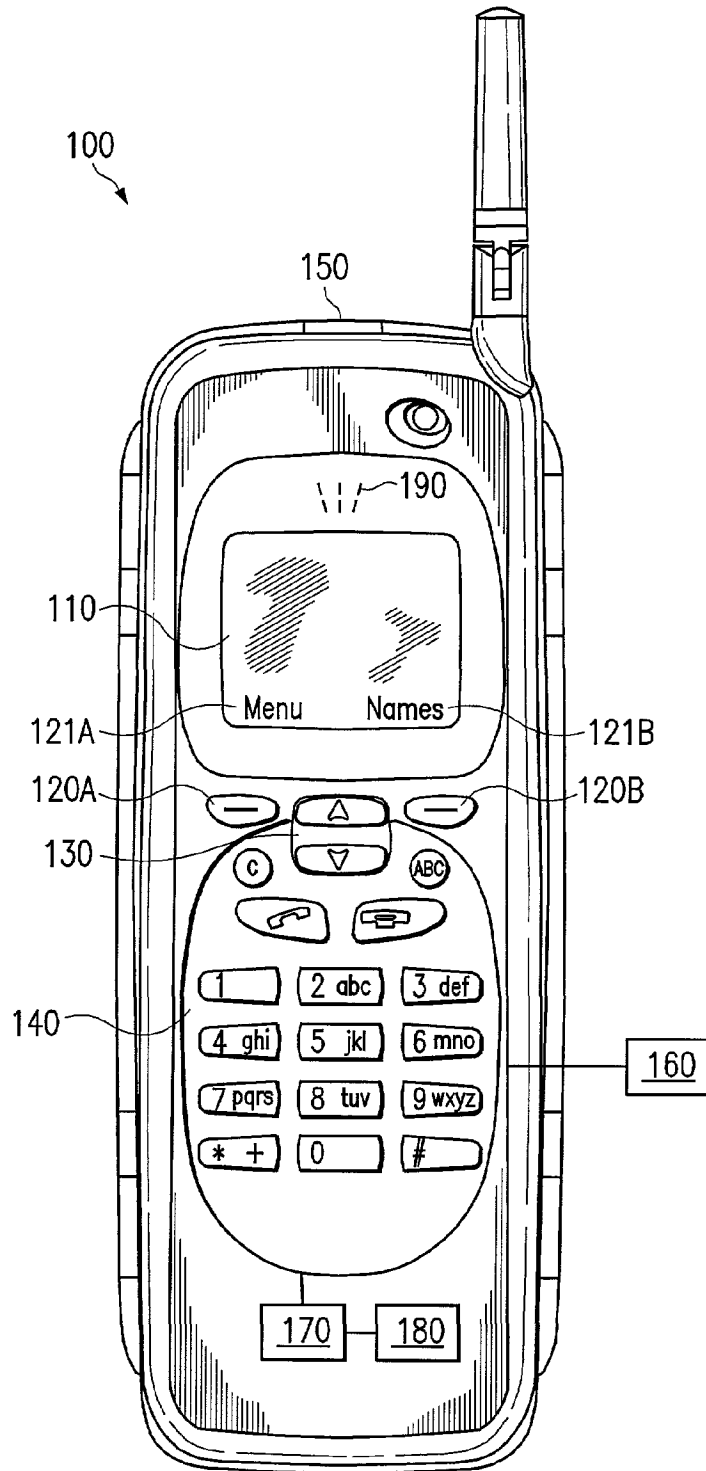


FIG. 1

FIG. 2

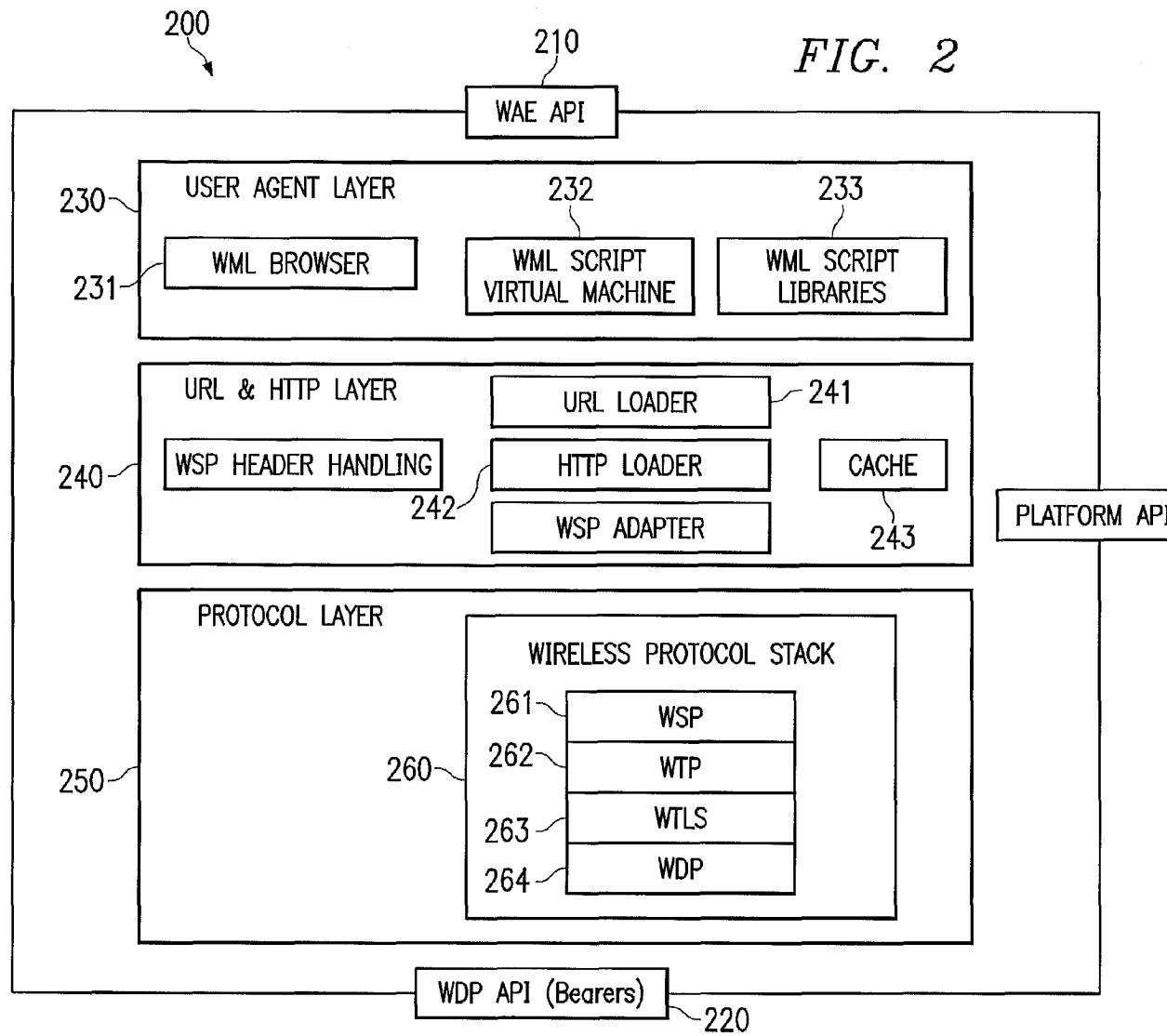
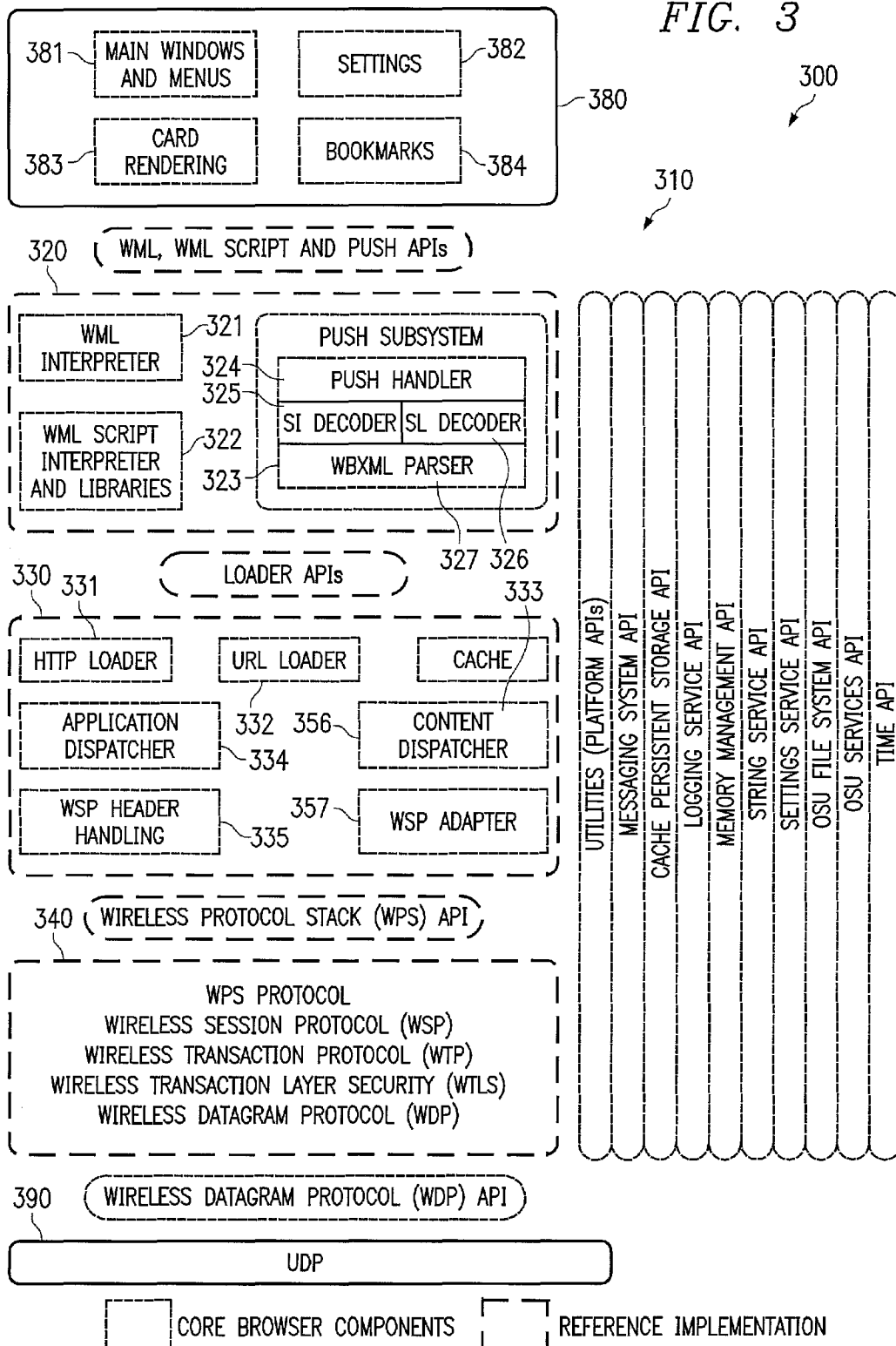


FIG. 3



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