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(54) Title: DETECTING AND PRESERVING STATE FOR SATISFYING APPLICATION REQUESTS IN A DISTRIBUTED PROXY AND CACHE SYSTEM

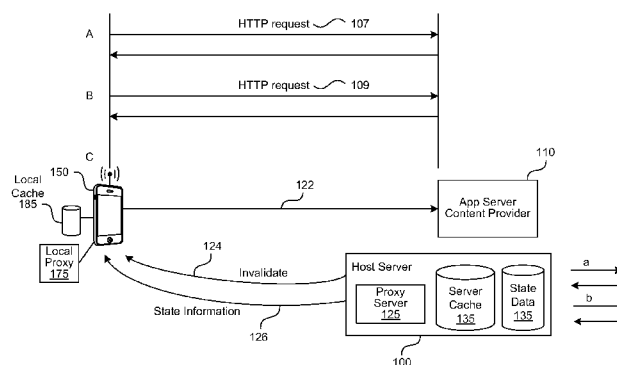


FIG. 1A

(57) Abstract: Systems and methods for cache state management to preserve user experience with a mobile application on a mobile device while conserving resources in a wireless network are disclosed. In one embodiment, the method can include, for example, storing content from a content server as cached elements in a local cache on the mobile device and in response to receiving polling requests to contact the content server, retrieving the cached elements from the local cache to respond to the polling requests made at the mobile device, and/or using state information associated with the cached elements to provide the cached elements as responses to the polling requests such that user experience is preserved.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/035608**A. CLASSIFICATION OF SUBJECT MATTER****G06F 15/16(2006.01)i, G06F 12/08(2006.01)i, G06F 9/44(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 15/16; G06F 17/30; G06F 12/00; H04L 29/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: content distribution, local cache, mobile device,

Google Scholar DB & Keywords: content distribution, local cache, mobile device.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KANTER, T. et al. Smart Delivery of Multimedia Content for Wireless Applications, Mobile and Wireless Communications Networks Lecture Notes in Computer Science, vol. 1818, 2000, pages 70-81 (KANTER, T. et al.)	14
A	See the whole document.	1-13, 15-38
A	LEBRUN, J. et al. Bluetooth content distribution stations on public transit, IN: 2006 the first international workshop on Decentralized resource sharing in mobile computing and networking, pages 63-65 (LEBRUN, J. et al.) See chapter 2.2 and figure 1.	1-38
A	US 6965968 B1 (TOUBOUL, S.) 15 November 2005 See abstract, column 2 lines 26-67, column 6 line 1 - column 7 line 2, and claim 1.	1-38
A	EP 0993165 A3 (PHONE.COM INC.) 12 April 2000 See paragraphs [0043]-[0047] and figure 2B.	1-38

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

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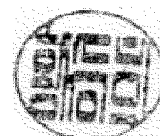
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6965968 B1	15.11.2005	None	
EP 0993165 A3	12.04.2000	CN 1249647 A0	05.04.2000
		EP 0993165 A2	12.04.2000
		JP 2000-148572 A	30.05.2000
		KR 10-2000-0023230 A	25.04.2000
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		US 2004-0203670 A1	14.10.2004
		US 6721288 B1	13.04.2004