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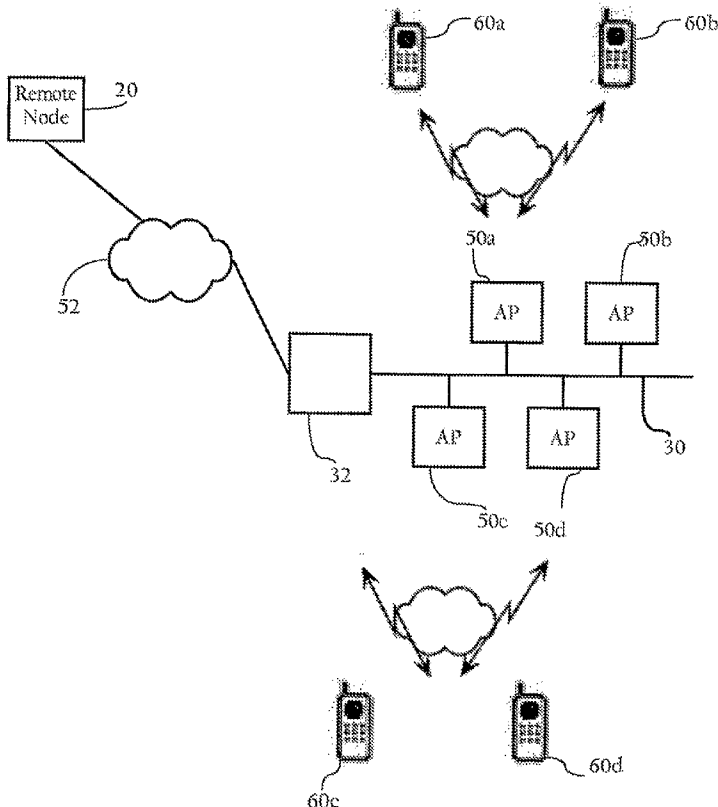
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[Continued on next page]

(54) Title: METHOD FOR OPTIMIZED LAYER 2 ROAMING AND POLICY ENFORCEMENT IN A WIRELESS ENVIRONMENT



(57) Abstract: Methods, apparatuses, and systems directed to facilitating the application of pre-allocation policies in a wireless network environment. According to one implementation of the present invention, a central controller, or other control point in a wireless network infrastructure, applies one or more policies that limit the number of resource pre-allocations a given wireless client may establish with one or more wireless access points. In one implementation, the central controller provides a pre-allocation list to a wireless client that is requesting pre-allocation. By limiting a wireless client's ability to pre-allocate resources, the central controller optimally manages the resources of the wireless network. In alternative embodiments, the central controller can terminate pre-allocations between a wireless client and one or more wireless access points to enforce pre-allocation policy on the wireless network infrastructure.

WO 2007/056646 A3



RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Declarations under Rule 4.17:

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - H04Q 7/24 (2007.10)
 USPC - 370/338
 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)
 IPC(8) - H04Q 7/24; H04Q 7/20; G01R 31/08; G06F 11/00; G08C 15/00; H04J 1/16; H04J 3/14; H04L 1/00; H04L 12/26; H04Q 7/00; H04Q 7/28; H04L 12/28; H04L 12/56; H04B 7/00 (2007.10)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Database: PatBase
 Search Terms: wireless access point, central controller, memory, client, activity, policy, fat, lightweight

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0053437 A1 (BAHL et al) 20 March 2003 (20.03.2003) entire document	1-3
X	US 2005/0243717 A1 (STIEGLITZ et al) 03 November 2005 (03.11.2005) entire document	1-3
X	US 2005/0060319 A1 (DOUGLAS et al) 17 March 2005 (17.03.2005) entire document	1-3
A	US 2004/0185845 A1 (ABHISHEK et al) 23 September 2004 (23.09.2004) entire document	1-3

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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