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(54) Title: SYSTEM FOR AUTOMATED MANAGEMENT OF SPONTANEOUS NODE MIGRATION IN A DISTRIBUTED FIXED WIRELESS NETWORK

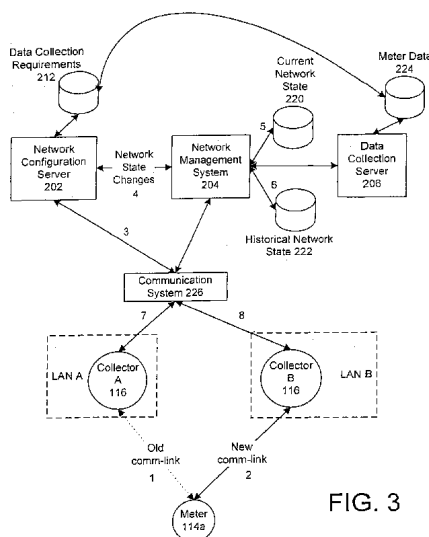


FIG. 3

(57) Abstract: Methods and systems of managing node migration in a wireless network where nodes may spontaneously migrate from a first communication path to a second communication path. The system includes a first collector disposed within the first communication path and a second collector disposed within the second communication path, a network management server that determines a network state and maintains a database of the network state. When the network management server detects that a node has migrated from the first communication path to the second communication path, information associated with the node is retrieved from the first collector and downloaded to the second collector to ensure the proper operation of the node in the network.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/34400

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04L 12/28( 2006.01);H04Q 7/00( 2006.01)

USPC: 370/254,331;455/436,432.1;340/870.02;702/61,62;705/63,412

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/254,331;455/436,432.1;340/870.02;702/61,62;705/63,412

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)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2002/0085719 A1 (CROSBIE) 04 July 2002 (04.07.2002), Fig. 1-4,6,8; see page 3, paragraph 34 to page 6, paragraph 55; page 8, paragraph 70-82;	1-4,7,9-11,13 ----- 5,6,8,12,15,16,20
Y	US 5,883,886 A (EATON et al.) 16 March 1999 (16.03.1999) Fig. 1-2, col. 2, line 20-67;	5,6,8,12,15,16,20
Y	US 6,327,541 B1 (PITCHFORD et al.) 04 December 2001 (04.12.2001) Fig. 1A-B; col. 5, lines 50 to col. 8, lines 5.	14

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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