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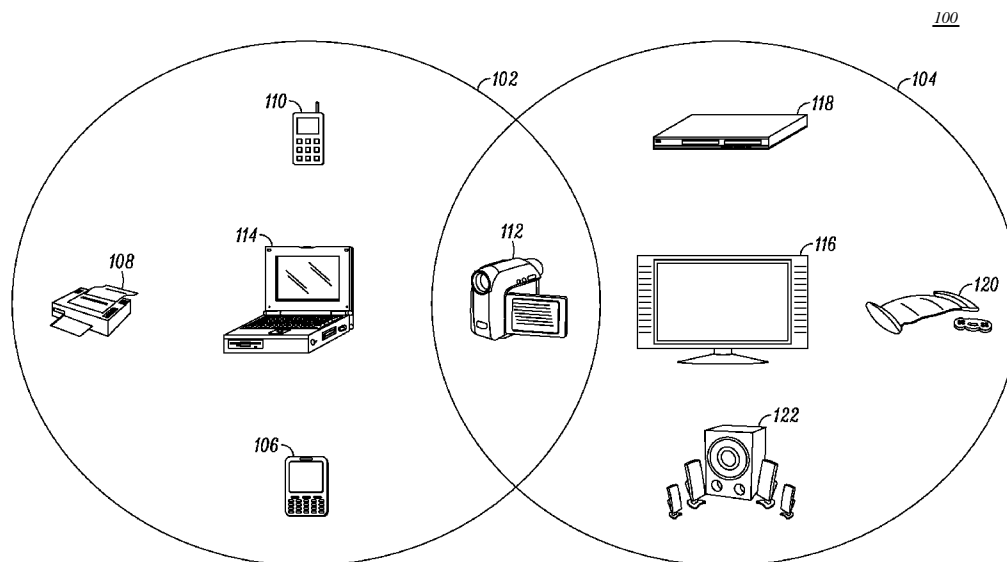
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(54) **Title:** METHOD AND SYSTEM FOR ALLOCATING CHANNELS IN A WIRELESS NETWORK



(57) **Abstract:** A method and system for allocating channels in a wireless network is provided. The wireless network includes a plurality of electronic devices organized into clusters. The plurality of electronic devices communicates with each other through a plurality of channels. The method performed by an electronic device includes scanning the plurality of channels for a frame generated in a first cluster and determining that the frame is a beacon frame transmitted by a first cluster header in the first cluster. Further, the method includes sending a channel request to the first cluster header and receiving a channel request response from the first cluster header. Moreover, the method includes designating the electronic device as a second cluster header for a second cluster.

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A CLASSIFICATION OF SUBJECT MATTER IPC(8) - H04Q 7/00 (2008.01) USPC - 370/329 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 7/00 (2008 01) USPC 370/329		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched IPC(8) H04Q 7/20 (2008 01) USPC 370/431, 370/448, 370/400, 370/450, 370/455, 370/519, 455/450, 455/453		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWest (USPB, USPT, USOC, EPAB, JPAB), DialogPro, GoogleScholar, method allocating channels wireless network plurality electronic devices organized clusters scanning frame generated first cluster beacon header sending request receiving response designating second initiating unused exist assigned traffic load number		
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 2006/0018295 A1 (CHOI et al) 26 January 2006 (26 01 2006), Figs 2-3, para [0066], [0078], [0088]-[0089]	1, 7, 11 ----- 2-6, 8-10, 12
X ----- Y	US 2005/0170840 A1 (CHENG) 04 August 2005 (04 08 2005), Fig 2, para [0028]-[0029], [0031]-[0034], [0036], [0039]-[0040], [0060], [0066]-[0068], [0070]	13-20 ----- 2-6, 10, 12
Y	US 2005/0169292 A1 (YOUNG) 04 August 2005 (04 08 2005), para [0027], [0029], [0031], [0047]-[0050]	8-9
A	US 6,052,594 A (CHUANG et al) 18 April 2000 (18 04 2000), entire document	1-20
D Further documents are listed in the continuation of Box C		D
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