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(54) **Title:** METHOD OF SECURELY PAIRING DEVICES WITH AN ACCESS POINT FOR AN IP-BASED WIRELESS NETWORK

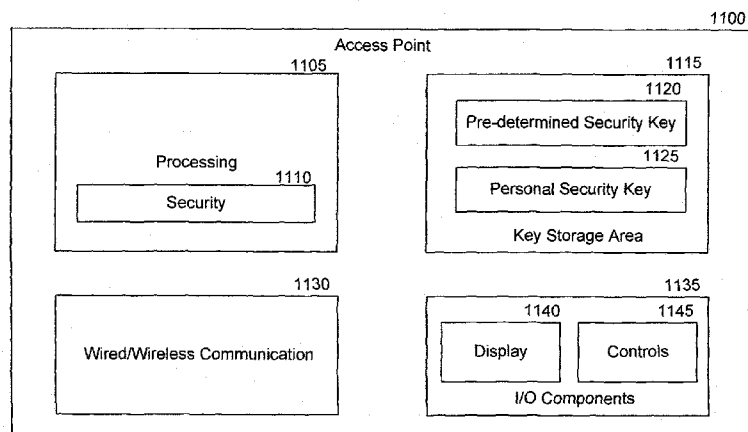


FIG. 11

(57) **Abstract:** A wireless access point and method of using a wireless access point to allow a user to use a pre-determined security key provided with the access point or a personal security key that is provided by the user. The access point is purchased with a pre-determined security key. A user of the access point may press a pairing button on the access point to automatically pair other devices with the access point using the pre-determined security key. A label with a passphrase that corresponds to the pre-determined security key is provided with the access point, allowing the user to manually enter the passphrase into devices that cannot automatically pair with the access point. The wireless access point also has a "security on/off" button. When the user presses the security on/off button, the access point may cease use of the pre-determined security key in favor of a personal security key..



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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)

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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: router, security

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005-0160287 A1 (PRATIK M. MEHTA et al.) 21 July 2005 See paragraphs [0020-0024] and [0028-0034].	1-30
A	US 2008-0151866 A1 (JINGSONG WU) 26 June 2008 See the abstract.	1-30
A	US 2005-0054342 A1 (NAOKI OTSUKA) 10 March 2005 See the abstract.	1-30
A	US 5513263 A (RICHARD E. WHITE et al.) 30 April 1996 See figures 1, 6 and 7.	1-30

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

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"&" document member of the same patent family

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 5513263 A	30.04.1996	WO 96-17456 A1	06.06.1996