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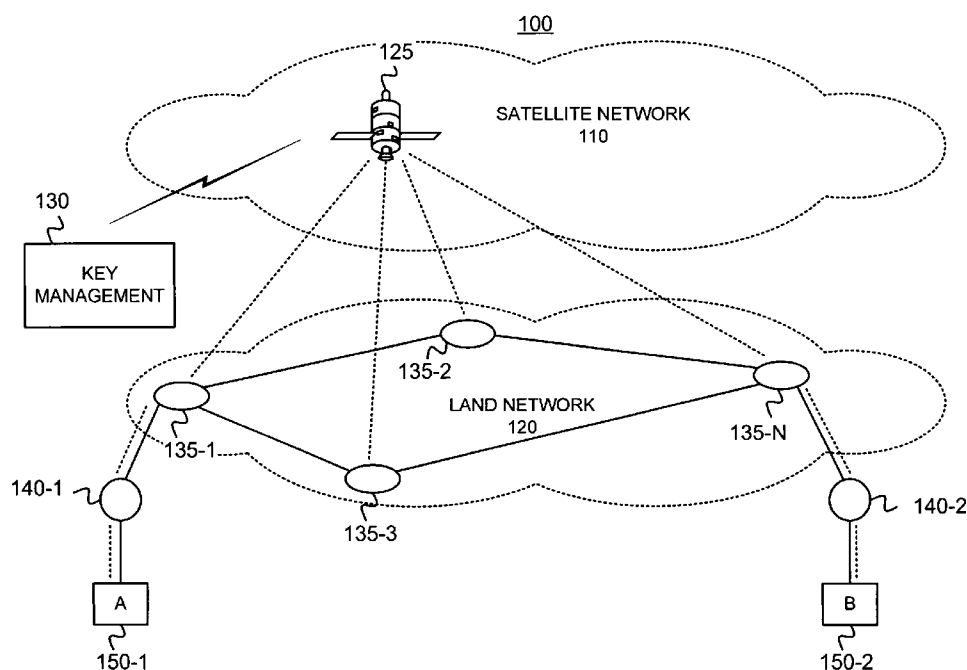
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(54) Title: LARGE SCALE QUANTUM CRYPTOGRAPHIC KEY DISTRIBUTION NETWORK



(57) Abstract: A space-based satellite device obtains one or more encryption key symbols. The satellite device transmits the one or more encryption key symbols to multiple nodes of a land-based network using quantum cryptographic mechanisms.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: H04L 9/00(2006.01) USPC: 380/278,279,281,286,46,44,28 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) U.S. . 380/278,279,281,286,46,44,28 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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US Publication No.: 2004/0184603 A1 (PEARSON et al.) 23 September 2004 (23 09.2004)	1-21
A	US 7,236,597 B2 (ELLIOTT et al) 26 June 2007 (26.06.2007)	1-21
A	US 6,966,224 A (HUGHES et al.) 12 October 1999 (12.10.1999)	1-21
A	US 5,568,301 (TIEMANN et al.) 22 October 1996 (22.10. 1996)	1-21
A	US 6,895,091 B1 (ELLIOTT et al.) 17 May 2005 (17.05.2005)	1-21
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"A" document defining the general state of the art which is not considered to be of particular relevance E " earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "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	"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 "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 "Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
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Name and mailing address of the ISA/US Mail Stop FCT, Attn: ISAUS Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Ayaz Sheikh Telephone No. 571-272-3000