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(71) Applicant: TOSIBOX OY [FI/FI]; Elektroniikkatie 8, FI-90590 Oulu (FI).

(72) Inventor: YLMARTIMO, Veikko; Palokärjentie 4, FI-90420 Oulu (FI).

(74) Agent: BERGGREN OY AB; Kirkkokatu 9, FI-90100 Oulu (FI).

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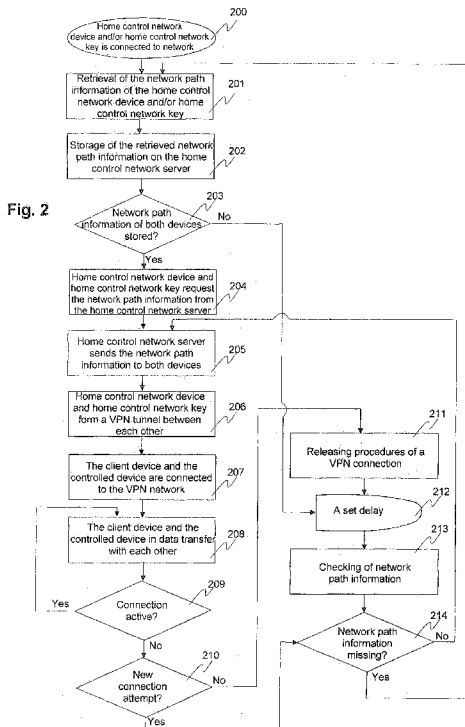
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(54) Title: DEVICE ARRANGEMENT AND METHOD FOR IMPLEMENTING A DATA TRANSFER NETWORK USED IN REMOTE CONTROL OF PROPERTIES



(57) Abstract: In a remote control method according to the invention a virtual private network is established between a home control network key and a home control network device of the remote control system in a property. In order to establish the virtual private network both the home control network key and the home control network device determine their network paths (201) to the Internet from the data transfer network to which they are connected. The determined network paths are stored (202) in a home control network server on the Internet. When it is desired to form a virtual private network, the home control network server supplies the stored network paths to the home control network key and the home control network device. By utilising the received network paths the home control network key and the home control network device start establishing a virtual private network (206) between them with several known by them establishing methods of a data transfer connection.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No.

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A. See extra sheet, amended

See extra sheet

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: H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

FI, SE, NO, DK

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI, XPAIP, XPESP, XPESP2, XPIPCOM, XPI3E, XPOAC, XPRD, COMPDX, INSPEC, TDB, NPL, Internet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010014529 A1 (TAKECHI HIDEAKI [JP] et al.) 21 January 2010 (21.01.2010) Fig. 3; pars. [0002], [0031], [0049], [0087], [0097], [0098], [0131], [0135], [0140], [0148]-[0150], [0157]-[0158]; claim 33	1-16
A	US 7590074 B1 (DONDETI LAKSHMINATH [US] et al.) 15 September 2009 (15.09.2009) abstract; Fig. 1; "SUMMARY OF THE INVENTION"; col. 4, ll. 11-13; col. 9, ll. 29-33; col. 11, l. 5; col. 12, l. 40	1-16

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

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"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/FI
National Board of Patents and Registration of Finland
P.O. Box 1160, FI-00101 HELSINKI, Finland

Facsimile No. +358 9 6939 5328

Authorized officer
Vesa-Matti Louekoski

Telephone No. +358 9 6939 500

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1912413 A1 (QUIPA HOLDINGS LTD [NZ]) 16 April 2008 (16.04.2008) abstract; pars. [0003], [0023], [0040], [0078]	1-16

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
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Patent document cited in search report	Publication date	Patent family members(s)	Publication date
US 2010014529 A1	21/01/2010	JP 4909277 B2 US 8000280 B2 WO 2007043381 A1	04/04/2012 16/08/2011 19/04/2007
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US 7590074 B1	15/09/2009	None	
.....			
EP 1912413 A1	16/04/2008	AT 455429 T AU 2007224392 A1 AU 2007224392 B2 AU 2010214680 A1 AU 2010214680 B2 AU 2013204382 A1 CA 2606718 A1 DE 602007004273 D1 DK 1912413 T3 EP 1912413 B1 EP 2230819 A1 ES 2339711 T3 HK 1112544 A1 JP 2008236719 A JP 2013048472 A KR 20080034084 A NZ 562522 A NZ 576245 A PT 1912413 E SG 142251 A1 SG 161266 A1 US 2008134316 A1 US 8196181 B2 US 2008091763 A1	15/01/2010 01/05/2008 16/09/2010 16/09/2010 17/01/2013 09/05/2013 13/04/2008 04/03/2010 25/05/2010 13/01/2010 22/09/2010 24/05/2010 02/07/2010 02/10/2008 07/03/2013 18/04/2008 31/05/2009 29/07/2011 20/04/2010 28/05/2008 27/05/2010 05/06/2008 05/06/2012 17/04/2008
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Amended

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