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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ,

[Continued on next page]

(54) Title: TELECOMMUNICATION NETWORKS

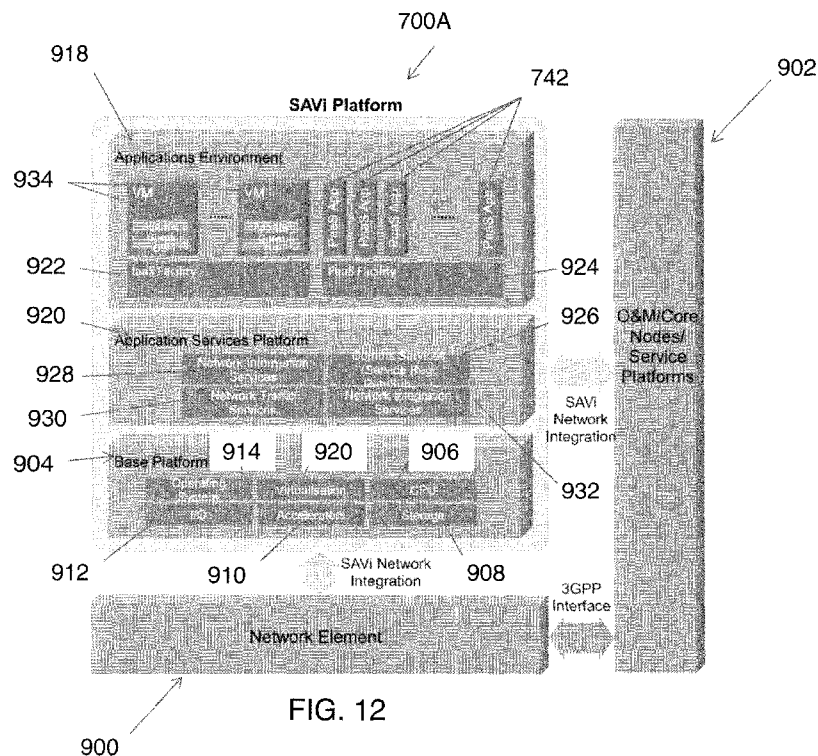


FIG. 12

[Continued on next page]



TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))
- 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))

(88) Date of publication of the international search report:

10 April 2014

(57) Abstract: Control means 700 for use with a mobile telecommunications network including a core and a radio access network having radio means for wireless communication with mobile terminals registered with the network, wherein the radio access network includes the control means, the control means being operable to control the use of network resources by said mobile terminals; and wherein the control means is operable to host at least one application and includes verifying means for verifying the application before allowing installation of the application.

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2013/059309

A. CLASSIFICATION OF SUBJECT MATTER INV. H04W4/02 H04W12/04 H04W76/02 G06F11/14 H04L12/14 H04W40/00 H04L12/24 H04W12/10 ADD. H04W8/02		
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) H04W G06F H04L 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) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/097620 A2 (QUALCOMM INC [US]) 5 December 2002 (2002-12-05) abstract paragraphs [0001], [0007], [0008], [0011], [0015], [0029] - [0045], [0062] - [0069] paragraphs [0072] - [0075] -----	1-3
A	US 8 001 615 B2 (KSONTINI RACHED [CH] ET AL) 16 August 2011 (2011-08-16) abstract column 2, lines 19-52 column 3, line 6 - column 4, line 32 column 5, lines 41-52 column 7, lines 1-26 column 7, line 60 - column 8, line 11; claim 1 ----- -/--	1-3
☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but 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		
Date of the actual completion of the international search 12 February 2014		Date of mailing of the international search report 18/02/2014
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Alonso Maleta, J

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2013/059309

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/032557 A1 (ERICSSON TELEFON AB L M [SE]; NAESLUND MATS [SE]; NORRMAN KARL [SE]; G) 15 April 2004 (2004-04-15) abstract page 8, line 5 - page 9, line 7 page 14, line 1 - page 17, line 24 page 22, lines 5-13 -----	1-3
A	WO 2011/109518 A1 (INTERDIGITAL PATENT HOLDINGS [US]; GUCCIONE LOUIS [US]; CHA INHYOK [US]) 9 September 2011 (2011-09-09) paragraphs [0008], [0022] - [0024], [0040], [0048] - [0050], [0059] - [0061] paragraphs [0079], [0080], [0084] - [0086] -----	1-3
X	US 2003/028649 A1 (UHLIK CHRISTOPHER [US] ET AL) 6 February 2003 (2003-02-06) abstract paragraphs [0009], [0023], [0029] - [0031], [0042], [0051] - [0058], [0067] paragraphs [0071] - [0073], [0078], [0096] -----	4,5
X	WO 2006/126085 A1 (NOKIA CORP [FI]; NOKIA INC [US]; KAHTAVA JUSSI [JP]; RIKKINEN KARI [FI]) 30 November 2006 (2006-11-30) abstract page 4, lines 9-26 page 7, lines 8-20 page 8, line 27 - page 9, line 10 page 10, lines 11-27 page 14, line 10 - page 15, line 11 page 18, lines 8-11 page 23, lines 1-16 -----	4,5
X	EP 1 775 886 A1 (SAMSUNG ELECTRONICS CO LTD [KR]) 18 April 2007 (2007-04-18) abstract paragraphs [0002], [0015] - [0017], [0036] - [0040], [0055] - [0065], [0073], [0074], [0078]; claims 1,4 -----	4,5
X	EP 1 781 057 A1 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 2 May 2007 (2007-05-02) abstract paragraphs [0028], [0029], [0036] - [0040], [0052], [0053] paragraphs [0056] - [0063], [0072], [0109] - [0115], [0119] - [0127] paragraphs [0141], [0148] - [0154] ----- -/--	4,5

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2013/059309

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2012/021755 A1 (CHIN TOM [US] ET AL) 26 January 2012 (2012-01-26) abstract paragraphs [0007], [0011] - [0013], [0032], [0042] - [0049], [0053] - [0055] -----	4,5
X	WO 2009/020347 A1 (SAMSUNG ELECTRONICS CO LTD [KR]) 12 February 2009 (2009-02-12) abstract page 1, lines 7-14 page 2, lines 5-8,20-29 page 6, lines 21-32 page 11, lines 19-22 -----	4,5

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2013/059309

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-5
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3

Verifying secure installation of applications

2. claims: 4, 5

Maintaining a record of identifiers for the mobile terminals

3. claims: 6, 7

Receiving information when the mobile terminal becomes active

4. claims: 8, 9

Operation and maintenance

5. claim: 10

Controlling the routing of the traffic in dependence upon the type of traffic

6. claim: 11

Supporting simultaneous communications of the mobile terminal

7. claim: 12

Sending response data generated by the application to the source

8. claims: 13, 14

Identifying radio access bearers to the applications

9. claims: 15, 16

Making data packets distinguishable from the applications

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2013/059309

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