

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 January 2007 (04.01.2007)

PCT

(10) International Publication Number
WO 2007/000638 A3

- (51) International Patent Classification:
H04L 29/08 (2006.01) H04L 29/06 (2006.01)
- (21) International Application Number:
PCT/IB2006/001708
- (22) International Filing Date: 22 June 2006 (22.06.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/171,857 29 June 2005 (29.06.2005) US
- (71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (71) Applicant (for LC only): NOKIA INC. [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SATHISH, Sathish [FI/FI]; Orivedenkatu 12 C 51, FIN-33720 Tampere (FI).
- (74) Agent: MILLER, Jennifer, F.; Alston & Bird LLP, Bank of America Plaza, 101 South Tryon Street, Suite 4000, Charlotte, NC 28280-4000 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

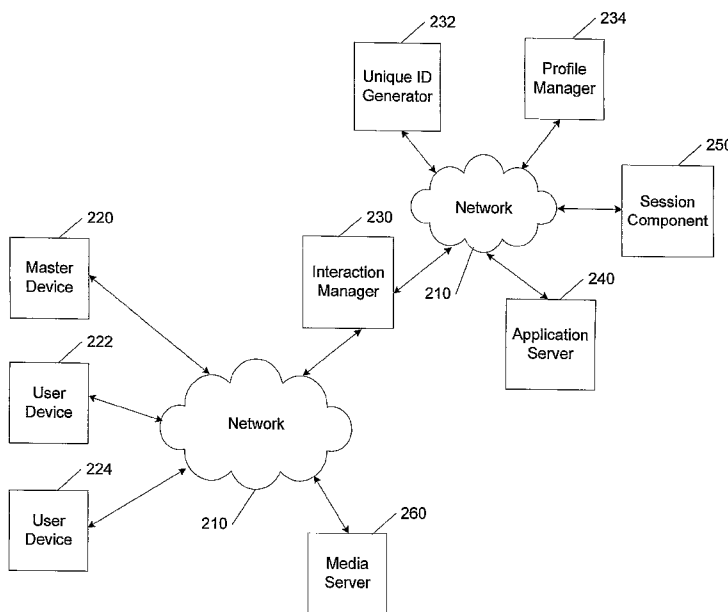
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- Published:
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
26 April 2007

[Continued on next page]

(54) Title: MULTIDEVICE SESSION ESTABLISHMENT FOR MULTIMODAL BROWSING



(57) Abstract: Systems, methods, apparatuses and computer program products for establishing a single session for processing a multimodal application with multiple devices and for distributing the multimodal application amongst the multiple devices participating in the single session based on the respective capabilities of each device are provided. A system, method and computer program product for allowing new devices operated by the same user to join in the previously established session for processing the multimodal application where the capabilities of the new device exceed that of all devices currently participating in the session are also provided.

WO 2007/000638 A3



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/001708

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/08 H04L29/06

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)
H04L G06F

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 practical, search terms used)
EPO-Internal, WPI Data, INSPEC

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 2004/143669 A1 (ZHAO SHI WAN [CN] ET AL) 22 July 2004 (2004-07-22) paragraphs [0007], [0011], [0023], [0024], [0031], [0038], [0039], [0042] | 1, 39, 55-57 2-11, 25-29, 40-43 |
| | ----- -/-- | |

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 | *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 |
| *E* earlier document but published on or after the international filing date | *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 |
| *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) | *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. |
| *O* document referring to an oral disclosure, use, exhibition or other means | *&* document member of the same patent family |
| *P* document published prior to the international filing date but later than the priority date claimed | |

| | |
|---|--|
| Date of the actual completion of the international search 27 February 2007 | Date of mailing of the international search report 06/03/2007 |
|---|--|

| | |
|---|---|
| Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Tyszka, Krzysztof |
|---|---|

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2006/001708

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-------------------------------------|
| X | WO 03/073198 A2 (MOTOROLA INC [US]) 4 September 2003 (2003-09-04) | 12-16, 30-39, 44-46, 55-57 |
| Y | figures 3,8 page 6, line 9 - line 18 page 8, line 1 - page 9, line 4 page 10, line 1 - line 17 page 13, line 6 - page 14, line 20 page 17, line 11 - page 18, line 10 page 19, line 13 - page 22, line 14 page 23, line 5 - line 7 page 31, line 17 - line 19 page 32, line 7 - line 10 | 6-11, 25-29 |
| X | US 2002/065944 A1 (HICKEY MARIANNE [GB] ET AL) 30 May 2002 (2002-05-30) | 17-24, 36,37, 47-54 |
| Y | paragraphs [0039] - [0043], [0047], [0065], [0066], [0069] - [0073], [0075] | 2-5, 40-43 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2006/001708

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|----|------------------|----|-------------------------|------------------|
| US 2004143669 | A1 | 22-07-2004 | CN | 1492656 A | 28-04-2004 |
| WO 03073198 | A2 | 04-09-2003 | AU | 2003209037 A1 | 09-09-2003 |
| | | | BR | 0307274 A | 21-12-2004 |
| | | | CN | 1639707 A | 13-07-2005 |
| | | | EP | 1481334 A2 | 01-12-2004 |
| | | | JP | 2005519363 T | 30-06-2005 |
| | | | US | 2003167172 A1 | 04-09-2003 |
| US 2002065944 | A1 | 30-05-2002 | GB | 2371949 A | 07-08-2002 |