(51) International Patent Classification:
H04M 7/00 (2006.01)

(21) International Application Number:
PCT/US2007/083248

(22) International Filing Date: 31 October 2007 (31.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/855,485 31 October 2006 (31.10.2006) US
60/941,102 31 May 2007 (31.05.2007) US
11/929,336 30 October 2007 (30.10.2007) US
11/929,423 30 October 2007 (30.10.2007) US
11/929,589 30 October 2007 (30.10.2007) US
11/929,641 30 October 2007 (30.10.2007) US


(72) Inventors; and


(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, [Continued on next page]

(54) Title: IMPROVED FUNCTIONALITIES FOR LOCAL NUMBER PORTABILITY IN A TELECOMMUNICATIONS NETWORK

(57) Abstract: According to various embodiments of the present invention, systems and methods for local number portability in a telecommunication network are disclosed. An embodiment of a method includes submitting a local number portability (LNP) order for the TN directly to a first telecommunications carrier that the TN is to be transferred from, triggering a port of the TN in accordance with the LNP order, and porting the TN from the first telecommunications carrier to the second telecommunications carrier, wherein the second telecommunications carrier is bypassed by the customer during the submitting and the triggering of the LNP order. Other embodiments are also disclosed.
Published:
— with international search report
A. CLASSIFICATION OF SUBJECT MATTER

IPC(B) - HO4M 7/00 (2008.01)
USPC - 379/221.13

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)
USPC: 379/221.13

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
US: 379/221.13, 242, 219, 201.01, 212.01, 220.01; 455/433

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST/PGPB, USPT, USOC, EPAB, JPAB); GOOGLE; Search Terms: number portability, customer, carrier, local number, first carrier, second carrier, local number portability order, submitting, B2B API, local, customer service record, service request, order commitment, directory, zip code, customer database, validate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 2003/0123637 A1 (RANGARAJAN et al.) 03 July 2003 (03.07.2003), entire document, especially; abstract, para. [0010], [0012], [0028]</td>
<td>1 - 78</td>
</tr>
<tr>
<td>Y</td>
<td>US 2004/0223604 A1 (KIEREN) 11 November 2004 (11.11.2004), entire document, especially; abstract, para. [0005], [0006], [0016], [0020], [0022]</td>
<td>1 - 78</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,473,503 B1 (KARAU et al.) 29 October 2002 (29.10.2002), entire document, especially; abstract, col. 14, In 56-66, Fig. 1C, Claim 4</td>
<td>2, 5, 6, 9, 12, 15, 18, 19, 65, 66, 71, 72, 77, 78</td>
</tr>
<tr>
<td>Y</td>
<td>US 2003/0202638 A1 (ERINGIS et al.) 30 October 2003 (30.10.2003), entire document, especially; abstract, para. [0029], [0035]-[0037], [0084], [0100], [0138], [0141]</td>
<td>21 - 60</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C.

* 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

"I" 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新颖 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
25 January 2008 (25.01.2008)

Date of mailing of the international search report
17 MAR 2008

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:
Lee W. Young
PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2007)