

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 November 2007 (29.11.2007)

PCT

(10) International Publication Number  
**WO 2007/136415 A3**

(51) International Patent Classification:  
**G06Q 10/00** (2006.01)

(21) International Application Number:  
PCT/US2006/049656

(22) International Filing Date:  
29 December 2006 (29.12.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/755,405 30 December 2005 (30.12.2005) US

(71) Applicant (for all designated States except US):  
**COMTECH MOBILE DATACOM CORPORATION** [US/US]; 20430 Century Boulevard, Germantown, MD 02874 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MORANA, Sebastian** [IT/US]; 25467 Bright Ct., Aldie, VA 20105 (US).

(74) Agent: **GERETY, Todd, A.**; Proskauer Rose LLP, One International Place, Boston, MA 02110 (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, GT, 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, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

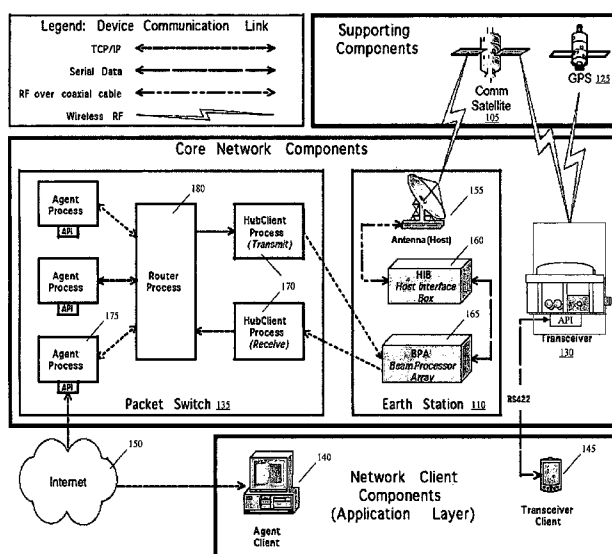
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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:  
3 April 2008

(54) Title: MOBILE SATELLITE COMMUNICATIONS



(57) Abstract: Provided is a mobile satellite transceiver system for communicating with a Global Positioning System, GPS, satellite (125) and a communications satellite (105). In one implementation, the mobile satellite transceiver system includes a GPS receiver (130) configured to receive communications from the GPS satellite, a satellite modem configured to transmit and receive communications from the communications satellite, and an operating system. In some implementations, the operating system of the mobile satellite transceiver system is configured to send and receive text messages to/from the communications satellite via the satellite modem. In some implementations the mobile satellite transceiver system also includes a Radio Frequency Identification, RFID, interrogator for communicating with RFID tags.

WO 2007/136415 A3

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/049656

## A. CLASSIFICATION OF SUBJECT MATTER

INV. G06Q10/00

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)

G06Q G08G G06K

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/089434 A1 (GHAZARIAN OHANES [US]) 11 July 2002 (2002-07-11) abstract figure 1 claims 18,24 paragraphs [0040], [0041], [0050], [0055], [0076], [0077], [0094], [0097], [0098]	1-15
X	DE 10 2004 016548 A1 (FRANCOTYP POSTALIA AG [DE]) 27 October 2005 (2005-10-27) abstract figure 1 paragraphs [0017], [0047], [0059], [0069] - [0071]	1-15
	----- -/--	

☒ 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 document 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.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

14 January 2008

Date of mailing of the international search report

21/02/2008

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

Gabriel, Christiaan

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/049656

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 2005/076034 A1 (ADDONISIO LOUIS SALVATORE [US] ET AL ADDONISIO LOUIS SALVATORE [US] ET) 7 April 2005 (2005-04-07) abstract figure 2 paragraphs [0011] - [0014], [0073], [0075], [0084] - [0086] -----	1-7, 9-15
X	EP 1 406 207 A (SIEMENS SCHWEIZ AG [CH]) 7 April 2004 (2004-04-07) abstract paragraph [0027] -----	1-7, 9-15
X	US 6 121 922 A (MOHAN PAUL L [US]) 19 September 2000 (2000-09-19)  abstract figures 1,3 column 3, lines 1-25 column 4, lines 43-52 -----	1-3, 5-7, 9, 10, 12-15
X	US 2004/183673 A1 (NAGELI HANS PETER [CH]) 23 September 2004 (2004-09-23)  abstract figures 1,2 paragraphs [0042], [0047], [0048] -----	1-3, 5-7, 9, 10, 12-15
X	US 2002/177476 A1 (CHOU Y HONG [US]) 28 November 2002 (2002-11-28)  abstract paragraphs [0048], [0060], [0075] - [0077], [0090] - [0092], [0135] -----	1-3, 5-7, 9, 10, 12-15
A	US 2005/038601 A1 (DENTINGER MICHAEL P [US] ET AL DENTINGER MICHAEL [US] ET AL) 17 February 2005 (2005-02-17) paragraphs [0002] - [0016] -----	5, 14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/049656

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002089434 A1	11-07-2002	NONE	
DE 102004016548 A1	27-10-2005	NONE	
US 2005076034 A1	07-04-2005	NONE	
EP 1406207 A	07-04-2004	AT 313833 T CA 2444152 A1 CN 1496932 A US 2004246104 A1	15-01-2006 04-04-2004 19-05-2004 09-12-2004
US 6121922 A	19-09-2000	US 6657587 B1	02-12-2003
US 2004183673 A1	23-09-2004	NONE	
US 2002177476 A1	28-11-2002	NONE	
US 2005038601 A1	17-02-2005	EP 1654557 A2 EP 1757952 A1 US 2007106472 A1 WO 2005076034 A2	10-05-2006 28-02-2007 10-05-2007 18-08-2005