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(71) Applicant: **Elital S.r.L.**  
**67100 L'Aquila (IT)**

(72) Inventors:  
 • Arista, Guido  
 67100 L'Aquila (IT)  
 • Arista, Marcello  
 67100 L'Aquila (IT)

(74) Representative: **Santi, Filippo et al**  
**Barzano' & Zanardo Roma S.p.A.**  
**Via Piemonte 26**  
**00187 Roma (IT)**

### (54) Transceiving satellitar terrestrial station, particularly suitable for movable stations

(57) The transceiving satellitar terrestrial station, named MobSat, is usually installed on a two-wheel off-road trailer sturdy carriage. It has reduced dimensions and weight, is equipped to be also transported by helicopter, being organised to permit a soft landing. It can be remote controlled by satellite, fixed or mobile phone line, wireless and like. It is provided with sensors, magnetometer, inclinometer, GPS for measuring attitude and position. It optimises the automatic sighting procedure during the transmission. It permits every transceiving satellitar communication, including DVB, SATCOM, SNG, multimedia services, VOIP phone channels, xDSL broad band distribution, e-mail service (with on board server), files transfer, connection with informative systems, VLAN, multimedia files, videoconference, large amount of data to the fixed network, restoring and increasing GSM/GPRS connections with inner radio bridge. It generates electric power necessary for its operation. It can be removed from the carriage to become a fixed station. Presence of an operator is not required.

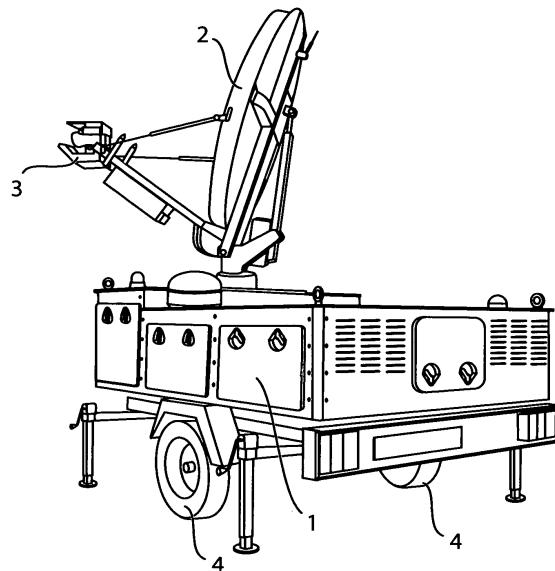


Fig. 1



## EUROPEAN SEARCH REPORT

Application Number

EP 07 42 5682

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 4 856 838 A (RESHKE ROBERT A [US] ET AL) 15 August 1989 (1989-08-15)	1,5,6, 13,18-21	INV. H01Q1/32
Y	* column 1, line 36 - column 3, line 44 * * figures 1-6 *	2,8-10	H01Q1/12 H01Q19/13 B60P3/00 H01Q1/08
Y	----- FR 2 481 014 A (LEROY JEAN [FR]) 23 October 1981 (1981-10-23) * claim 1; figure 1 *	2,8-10	ADD. H01Q3/08
X	----- GB 2 165 999 A (GEN ELECTRIC PLC) 23 April 1986 (1986-04-23)	1,5,6, 13,18-21	H01Q1/18 B64D1/22
Y	* abstract * * page 1, lines 5,6,57-84 * * figure 1 *	2,8-10	
X	----- WO 99/52174 A (WAHLBERG & SELIN AB [SE]; MOSSBERG JONAS [SE]; JANSSON OVE [SE]; FRIED) 14 October 1999 (1999-10-14)	1,5,6, 13,18-21	
Y	* page 4, line 26 - page 6, line 26 * * figures 1,2 *	2,8-10	
X	----- US 5 515 065 A (SHERWOOD WILLIAM J [US] ET AL) 7 May 1996 (1996-05-07)	1	TECHNICAL FIELDS SEARCHED (IPC)
	* abstract * * column 3, lines 35-45 * * figure 1 *		H01Q B60P B64D F41H
X	----- GB 2 167 240 A (GEN ELECTRIC PLC) 21 May 1986 (1986-05-21)	1	
	* abstract * * page 1, lines 42-50 * * page 2, lines 37-41 * * figure 1 *		
	-----		
The present search report has been drawn up for all claims			
3	Place of search	Date of completion of the search	Examiner
	Munich	16 June 2009	van Norel, Jan
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			



### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
  
  
  
  
  
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

see annex

- The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION  
SHEET B**Application Number  
EP 07 42 5682

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1,5,6,13,18-21,2,8-10  
a synoptic panel  
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2. claims: 3,4  
continuous search for maximum receivable signal levels  
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3. claim: 7  
automatic opening and storing of the antenna  
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4. claim: 14  
connecting accessories  
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5. claim: 16  
absorbing vibrations  
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6. claim: 17  
hooks for permitting transportation by helicopter  
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7. claims: 11,12,23  
a remotely controlled RF module and detection means  
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8. claim: 15  
a self-inflatable cushion  
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9. claims: 22,24  
permitting every satellitar communications incl. emergency cases  
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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 07 42 5682

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-06-2009

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