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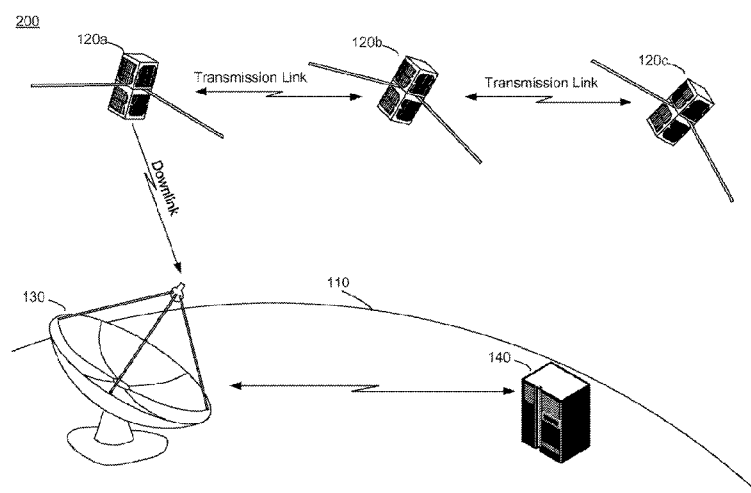
(54) **Title:** SATELLITE OPERATING SYSTEM, ARCHITECTURE, TESTING AND RADIO COMMUNICATION SYSTEM

FIG. 2

(57) **Abstract:** A cubesat communication system implementing addressable data packet for transmitting information collected by the cubesat to one or more receive-only ground stations. The cubesat may transmit information to the receive-only ground stations according to a scheduler. The receive-only ground stations may receive information from the cubesat without sending any commands to the cubesat to prompt transmission and re-transmit to a central common station using a bent pipe streaming protocol. Information between the cubesat and the ground station may be transmitted via a connectionless, datagram network protocol.



A. CLASSIFICATION OF SUBJECT MATTER**H04B 7/185(2006.01)i, H04B 1/00(2006.01)i**

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)

H04B 7/185; G01S 13/00; H04B 7/204; H04B 1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: cubesat, ground station, transmission link, destination address, SDR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2014-121197 A2 (NANOSATISFI INC.) 07 August 2014 See paragraphs [0029]-[0038], [0057], [0078]-[0087], [0101]-[0118], [0129]-[0141], [0182]-[0188]; claim 1; and figures 1, 5.	1-2, 7
Y		3-6, 8-20
Y	US 2009-0290534 A1 (DENNIS PATRICK CONNORS et al.) 26 November 2009 See paragraphs [0046], [0052]; and figure 1B.	3, 5, 10, 12, 20
Y	US 2011-0116441 A1 (GREGORY THANE WYLER) 19 May 2011 See paragraphs [0008], [0024], [0056], [0065]-[0068]; and figure 2B.	4, 6, 8-20
Y	US 4454510 A (ROBERT P. CROW) 12 June 1984 See coloumn 3, lines 21-23; and claim 13.	18
A	US 5940739 A (CHARLES CONRAD et al.) 17 August 1999 See column, 1 line 1 - column 3, line 8, column 4, line 58 - column 5, line 8.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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