



US 20070072546A1

(19) **United States**

(12) **Patent Application Publication**
Jenkin et al.

(10) **Pub. No.: US 2007/0072546 A1**

(43) **Pub. Date: Mar. 29, 2007**

(54) **SATELLITE COMMUNICATION SYSTEM**

Related U.S. Application Data

(75) Inventors: **Keith R. Jenkin**, Seal Beach, CA (US);
Roy K. Tsugawa, Santa Barbara, CA (US)

(63) Continuation of application No. 09/641,654, filed on Aug. 18, 2000, now Pat. No. 7,151,929.

Publication Classification

Correspondence Address:

WARN HOFFMANN MILLER & LALONE PC
NORTHROP GRUMMAN CORPORATION
P.O. BOX 70098
ROCHESTER HILLS, MI 48307 (US)

(51) **Int. Cl.**
H04B 7/185 (2006.01)

(52) **U.S. Cl.** **455/13.1**

(57) **ABSTRACT**

A satellite communication system and related method for collecting data in space and transmitting it to a processing center on the earth. The communication system includes at least one satellite orbiting the earth that has a device for collecting the data. The satellite transmits the data to a plurality of receive only terminals on the earth. The terminals process the signals and transmit the data on the communications link to the processing center.

(73) Assignee: **Northrop Grumman Space & Missions Systems Corp.**, Los Angeles, CA

(21) Appl. No.: **11/604,525**

(22) Filed: **Nov. 27, 2006**

