



(54) **SYSTEM AND METHOD FOR SAMPLING SIGNALS**

(71) Applicant: **Viasat Inc.**, Carlsbad, CA (US)

(72) Inventor: **Gregory N. Kiesel**, Marietta, GA (US)

(21) Appl. No.: **18/284,803**

(22) PCT Filed: **Mar. 29, 2022**

(86) PCT No.: **PCT/US2022/022406**

§ 371 (c)(1),  
(2) Date: **Sep. 28, 2023**

**Related U.S. Application Data**

(60) Provisional application No. 63/168,236, filed on Mar. 30, 2021.

**Publication Classification**

(51) **Int. Cl.**  
**H03M 1/00** (2006.01)  
**H04B 17/345** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **H03M 1/007** (2013.01); **H04B 17/345** (2015.01)

(57) **ABSTRACT**

A first analog signal may be sampled during a first time period in accordance with a first sampling range and a sampling resolution step size, where a first digital sequence may be outputted during the first time period based on sampling the first analog signal.

100

