



US 20220368289A1

(19) **United States**

(12) **Patent Application Publication**
Nitsch

(10) **Pub. No.: US 2022/0368289 A1**

(43) **Pub. Date: Nov. 17, 2022**

(54) **METHOD FOR DETERMINING FILTER
COEFFICIENTS AND EQUALIZER CIRCUIT**

Publication Classification

(71) Applicant: **Rohde & Schwarz GmbH & Co. KG,**
Munich (DE)

(51) **Int. Cl.**
H03F 1/32 (2006.01)

(72) Inventor: **Bernhard Nitsch,** Munich (DE)

(52) **U.S. Cl.**
CPC **H03F 1/3247** (2013.01); **H03F 1/3258**
(2013.01); **H03F 2201/3233** (2013.01)

(73) Assignee: **Rohde & Schwarz GmbH & Co. KG,**
Munich (DE)

(57) **ABSTRACT**

(21) Appl. No.: **17/697,608**

(22) Filed: **Mar. 17, 2022**

(30) **Foreign Application Priority Data**

Apr. 29, 2021 (EP) 21171281.5

A method of determining filter coefficients of an equalizer circuit for equalizing a non-linear electronic system is described. The equalizer circuit includes a Volterra filter circuit. Further, an equalizer circuit for equalizing a non-linear electronic system and an electronic device are described.

