



US 20240214030A1

(19) **United States**

(12) **Patent Application Publication**
Fellhauer

(10) **Pub. No.: US 2024/0214030 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **METHOD, CIRCUIT ARRANGEMENT, AND SYSTEM FOR IDENTIFYING IMPEDANCE CHANGES IN A SIGNAL LINE**

Publication Classification

(51) **Int. Cl.**
H04B 3/462 (2015.01)
H04B 3/48 (2015.01)
(52) **U.S. Cl.**
CPC **H04B 3/462** (2013.01); **H04B 3/48** (2013.01)

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(21) Appl. No.: **18/555,762**

(22) PCT Filed: **Jul. 7, 2022**

(86) PCT No.: **PCT/EP2022/068874**

§ 371 (c)(1),

(2) Date: **Oct. 17, 2023**

(30) **Foreign Application Priority Data**

Jul. 19, 2021 (DE) 10 2021 207 683.1

(57) **ABSTRACT**

A method and to a circuit arrangement for identifying impedance changes in a signal line in a communication system. A first signal at a first frequency is input at a first end of the signal line, wherein a signal coming from the signal line and present at the first end is detected, is sampled at a second frequency different from the first frequency, and is analyzed for an impedance change. The state of the signal line is deduced on the basis of the analyzed signal.

