



(19) **United States**

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

(10) **Pub. No.: US 2023/0028513 A1**

(43) **Pub. Date: Jan. 26, 2023**

(54) **COMPUTER BASED SYSTEM FOR CONFIGURING, MANUFACTURING, TESTING, DIAGNOSING, AND RESETTING TARGET UNIT EQUIPMENT AND METHODS OF USE THEREOF**

Publication Classification

(51) **Int. Cl.**
H04N 21/418 (2006.01)
(52) **U.S. Cl.**
CPC *H04N 21/4183* (2013.01); *H04N 21/4184* (2013.01)

(71) Applicant: **JC Software, LLC**, Austin, TX (US)

(57) **ABSTRACT**

(72) Inventors: **Jason Garel**, Austin, TX (US); **Thomas Reid**, West Yorkshire (GB); **Colin Myers**, Leeds (GB); **Khalid Elibiary**, Austin, TX (US)

In some embodiments, the present disclosure provides an exemplary method that may include the steps of providing a computing device associated with a plurality of user; receiving output data transmitted from a target unit; analyzing the output data; transmitting a plurality of interaction commands; transmitting the plurality of interaction commands to an application or operating system; determining a plurality of identifying key words; dynamically determining a configuration screen image based on an identification of the plurality of identifying key words associated with the plurality of graphical user interface displays; automatically selecting a configuration setting associated with the plurality of interactive image elements based on the configurations screen image; and executing a plurality of ameliorative actions associated with the configuration setting.

(21) Appl. No.: **17/845,927**

(22) Filed: **Jun. 21, 2022**

Related U.S. Application Data

(60) Provisional application No. 63/213,162, filed on Jun. 21, 2021.

