

(21) Application No: **2007658.4**
 (22) Date of Filing: **16.11.2018**
 Date Lodged: **22.05.2020**
 (30) Priority Data:
 (31) **62590009** (32) **22.11.2017** (33) **US**
 (86) International Application Data:
PCT/US2018/061413 En 16.11.2018
 (87) International Publication Data:
WO2019/103919 En 31.05.2019

(51) INT CL:
G06Q 20/34 (2012.01) **G06K 7/00** (2006.01)
G06Q 20/20 (2012.01) **G07F 7/08** (2006.01)
 (56) Documents Cited:
US 6719199 B1 **US 5438186 A**
US 20020092914 A1 **US 20010034623 A1**
 (58) Field of Search:
 INT CL **G06Q**
 Other: **PatBase, PubWes, Google Scholar**

(71) Applicant(s):
Walmart Apollo, LLC
702 Southwest 8th Street, Bentonville,
Arkansas 72716, United States of America
 (72) Inventor(s):
Christopher D Johnson
Michael A Ryan
 (74) Agent and/or Address for Service:
Appleyard Lees IP LLP
15 Clare Road, HALIFAX, West Yorkshire, HX1 2HY,
United Kingdom

(54) Title of the Invention: **Test card for automated retail financial transaction system**
 Abstract Title: **Test card for automated retail financial transaction system**

(57) In some embodiments, apparatuses and methods are provided herein useful to a test card for use in automated testing of a POS terminal. In some embodiments, the test card comprises a substrate including at least one track, wherein the substrate is configured to interact with a magnetic card reader, an electrical contact configured to receive magnetic stripe data from a database, and an electrical trace, wherein the electrical trace is programmable with respect to the received magnetic stripe data, wherein the electrical trace forms a continuous conductive pathway, wherein the electrical trace forms a stair step configuration comprising a plurality of linear segments including a first set of linear segments and a second set of linear segments, wherein the second set of linear segments includes at least one segment, and wherein the at least one segment connects ones of the first set of linear segments.

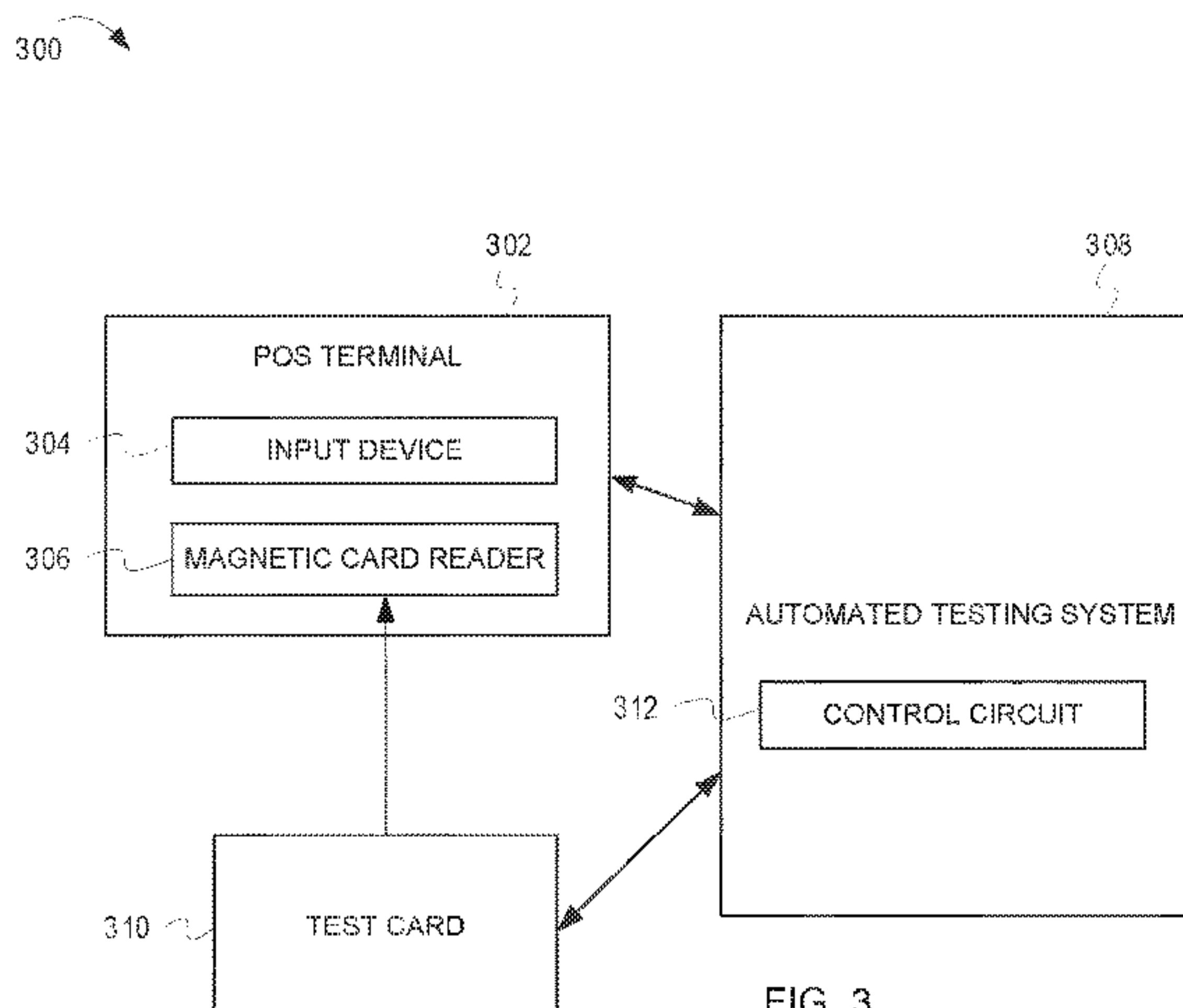


FIG. 3