



US010444002B2

(12) **United States Patent**
Tregret et al.

(10) **Patent No.:** **US 10,444,002 B2**
(45) **Date of Patent:** **Oct. 15, 2019**

(54) **SENSOR DEVICE FOR GEOMETRICALLY TESTING PARTS**

(71) Applicant: **ACTIMESURE**, Notre Dame D'oe (FR)

(72) Inventors: **Samuel Tregret**, Monnaie (FR);
Philippe Prunet, Neuvy le Roi (FR);
Vincent Jarry, La Membrolle sur Choisille (FR)

(73) Assignee: **ACTIMESURE**, Notre Dame D'oe (FR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 79 days.

(21) Appl. No.: **15/746,986**

(22) PCT Filed: **Jul. 23, 2015**

(86) PCT No.: **PCT/FR2015/052039**
§ 371 (c)(1),
(2) Date: **Jan. 23, 2018**

(87) PCT Pub. No.: **WO2017/013309**
PCT Pub. Date: **Jan. 26, 2017**

(65) **Prior Publication Data**
US 2019/0011245 A1 Jan. 10, 2019

(51) **Int. Cl.**
G01B 7/02 (2006.01)
G01B 7/012 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **G01B 7/012** (2013.01); **G01B 3/008** (2013.01); **G01B 3/22** (2013.01); **G01B 7/002** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC **G01B 7/003**; **G01D 5/3476**
(Continued)

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Primary Examiner — George B Bennett
(74) *Attorney, Agent, or Firm* — David D. Brush;
Westman, Champlin & Koehler, P.A.

(57) **ABSTRACT**

A feeler device for geometrically controlling parts, capable of determining the position of a feeler member when it comes into contact with a part to be controlled. The feeler device includes a motorized contact rod movable in translation inside a housing and a microcontroller for controlling the movement of the rod. The contact rod is driven in translation by friction with an element linked to the rotary shaft of a motor, and the contact rod cooperates with a magnetic sensor in order to detect the position of same.

14 Claims, 4 Drawing Sheets

