

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 August 2021 (12.08.2021)



(10) International Publication Number
WO 2021/156805 A1

(51) International Patent Classification:
G06K 19/07 (2006.01) *G01K 7/00* (2006.01)
G06K 7/10 (2006.01)

(21) International Application Number:
PCT/IB2021/050941

(22) International Filing Date:
05 February 2021 (05.02.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2001578.0 06 February 2020 (06.02.2020) GB

(71) Applicant: EDWARDS VACUUM LLC [US/US]; 6416
Inducon Drive West, Sanborn, New York 14132 (US).

(72) Inventor: FAULKNER, Budd Edward; Edwards Vac-
uum LLC, 6455 NE Jacobson Street, Hillsboro, Oregon
97124 (US).

SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,

(54) Title: DETECTING COMPONENT TEMPERATURE IN A SYSTEM

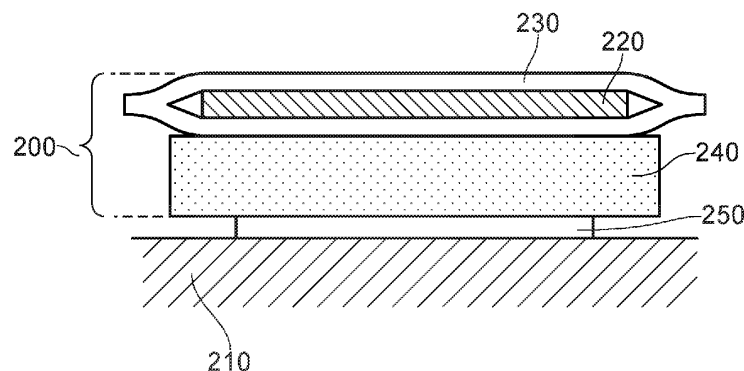


FIG. 2A

(57) Abstract: There is provided a method of detecting the temperature of a component of a support system for semiconductor pro-
cessing equipment, the method comprising: applying a radio frequency identity tag to the component, the radio frequency identity tag
having a serial number; reading the radio frequency identity tag with a reader, the reader arranged to read the serial number of the radio
frequency identity tag, and to identify the resonant frequency of the radio frequency identity tag; and converting the resonant frequency
of the radio frequency tag to a temperature of the radio frequency identity tag.

WO 2021/156805 A1