



(51) International Patent Classification:

G01N 21/956 (2006.01) H05K 13/08 (2006.01)

Rougemont 32, 2000 Neuchâtel (CH). EME, Thierry; 25 rue du Neuf Clos, 25130 Villers-le-Lac (FR).

(21) International Application Number:

PCT/IB2017/050563

(74) Agent: P&TS SA (AG, LTD.); Av. J.-J. Rousseau 4, P.O. Box 2848, 2001 Neuchâtel (CH).

(22) International Filing Date:

02 February 2017 (02.02.2017)

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

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant: ISMECA SEMICONDUCTOR HOLDING SA [CH/CH]; Rue de l'Helvétie 283, 2300 La Chaux-de-Fonds (CH).

(72) Inventors: PARATTE, Jerome; Rue du 26 Mars 25B, 2720 Tramelan (CH). ABRIAL, Pierrick; Rue Denis de

(54) Title: ASSEMBLY AND METHOD FOR INSPECTING COMPONENTS

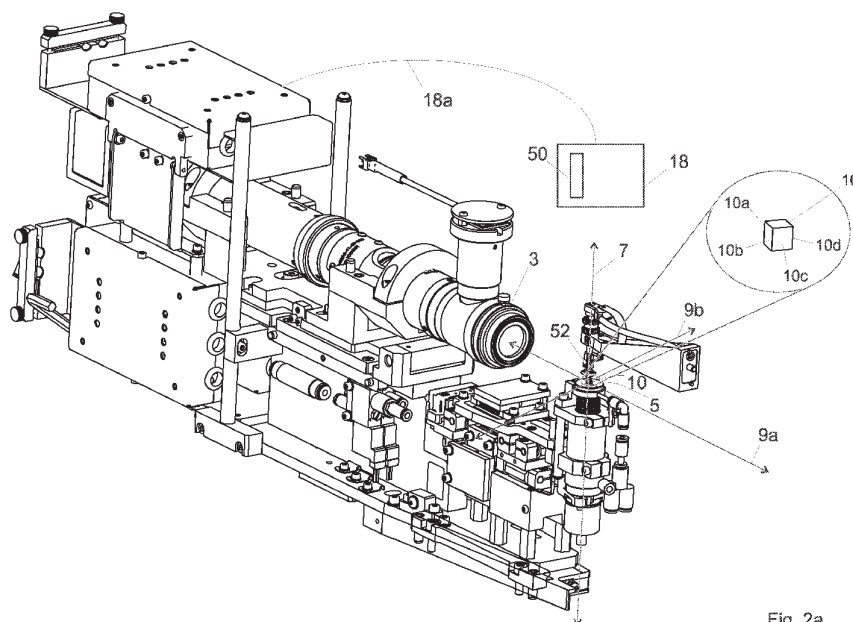


Fig. 2a

(57) Abstract: According to the present invention there is provided a method of inspecting a component (10), using an assembly comprising a camera (3) with a fixed position, and a moveable stage (5), wherein the moveable stage is configured such that it can rotate about a rotation axis (7), and, can move linearly along two linear axes (9a, 9b) wherein said two linear axes are perpendicular to one another and wherein both of said two linear axes are each perpendicular to the rotation axis, the method comprising the steps of, (a) providing a first component into a predefined orientation on the stage, such that a first side of the component is facing a camera; (b) moving the stage linearly along one or more of said two linear axes so as to bring the first side of the first component into focus of the camera; (c) capturing an image of the first side of the first component after it has been brought into focus of the camera. An assembly according to the above comprising additionally a processor which is configured to determine whether the image of the component is

(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))*