



(51) International Patent Classification:

G01N 27/407 (2006.01) H01L 23/58 (2006.01)
G01N 33/00 (2006.01)

(21) International Application Number:

PCT/SE2010/050144

(22) International Filing Date:

8 February 2010 (08.02.2010)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0900178-5 12 February 2009 (12.02.2009) SE

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(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, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (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, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

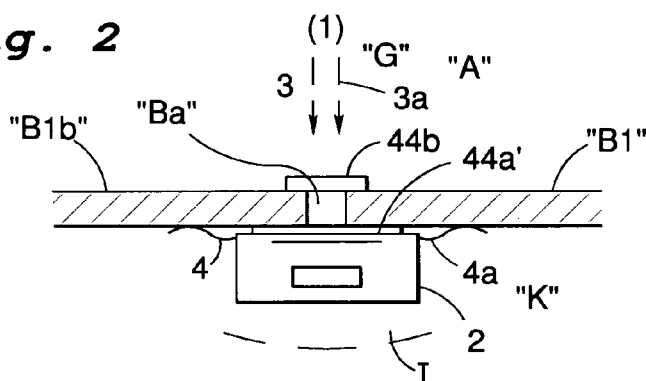
- as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

(54) Title: A CONSTRUCTION UNIT, COMPRISING A LIGHT DETECTOR, AND A PROCESS TO ASSEMBLE SUCH
CONSTRUCTION UNIT TO A CARRIER, SUCH AS PRINTED CIRCUIT CARD

Fig. 2



(57) Abstract: The present invention embraces a construction unit ("K") comprising a light detector and mountable to a carrier ("B1"), such as a printed circuit card, and where said construction unit is adapted to be includable in a gas sensor-related arrangement ("A"). Said construction unit is assigned a plurality of first connection devices (4, 4a), which connection devices are adapted and distributed along a first surface portion (5) of said construction unit for an electric connection facility to second connection devices ((4), (4a)) related to said carrier ("B1"). Said construction unit ("K", 2) is adapted attachable to or placeable in the vicinity of a translucent recess ("Ba") formed in said carrier ("B1") for the formation of an aperture. An optoelectric sensor (44) is tightly placed against one side surface ("B1a") of said carrier ("B1") while a first light-generating means (1) is orientable, preferably as an individual unit, at an adapted distance from or along the other and opposite side surface ("B1b") of the carrier. Said optoelectric sensor (44) shall be protected by a transparent, or in any case partly transparent, cover plate (44a, 44b) alternatively a filter (44b).