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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, QA, RO, RS, RU, RW, 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.

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Declarations under Rule 4.17:

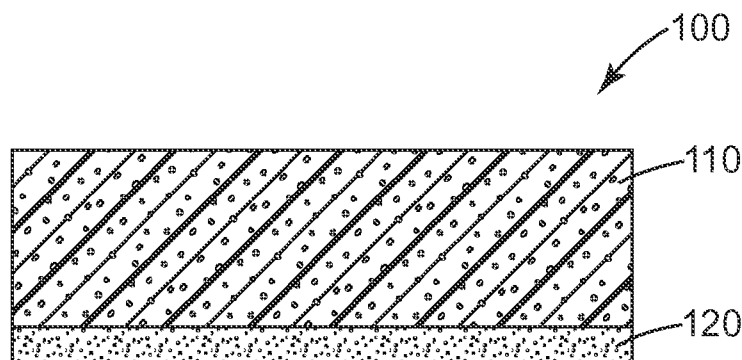
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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

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(54) Title: POROUS CHEMICAL INDICATOR FOR GASEOUS MEDIA**Fig. 1**

(57) **Abstract:** Chemical indicators for acidic or basic gases include an inert, porous substrate, an indicator dye or mixture of dyes contained within at least some of the pores of the inert, porous substrate, and an inert adhesive layer attached to the inert, porous substrate. The porous substrate may be a microporous substrate.

A. CLASSIFICATION OF SUBJECT MATTER**G01N 31/22(2006.01)i, G01N 21/78(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N 31/22; G01N 21/78; G01N 37/00; G01N 33/543

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: gas, device, indicator, sensor, detector, dye, acid, color

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0901009 A2 (NIPPON TELEGRAPH AND TELEPHONE CORPORATION) 10 March 1999 See abstract, paragraphs [0022], [0030], [0040].	1-23
A	EP 0263692 A2 (CARDIOVASCULAR DEVICES, INC.) 13 April 1988 See lines 41-54 of column 1.	1-23
A	US 2004-0142495 A1 (HARTMAN, W. G., et al.) 22 July 2004 See the whole document.	1-23
A	US 2010-0022010 A1 (STEVENS, A. E., et al.) 28 January 2010 See the whole document.	1-23
A	US 2009-0035179 A1 (RAKOW, N. A., et al.) 05 February 2009 See the whole document.	1-23



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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