



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 111 369 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

Note: Bibliography reflects the latest situation

- (15) Correction information: **Corrected version no 1 (W1 B1)**  
**INID code(s) 73**
- (48) Corrigendum issued on:  
**06.07.2005 Bulletin 2005/27**
- (45) Date of publication and mention  
of the grant of the patent:  
**11.05.2005 Bulletin 2005/19**
- (21) Application number: **99310570.9**
- (22) Date of filing: **24.12.1999**
- (51) Int Cl.7: **G01N 21/35, G01N 21/39**

(54) **A spectroscopic method for measuring trace impurities in a gas with laser radiation**

Spektroskopisches Verfahren zur Messung von Verunreinigungspuren in einem Gas mittels  
Laserstrahlung

Procédé spectroscopique de mesure de traces d'impuretés dans un gaz à l'aide de radiation laser

- |   |  |
|---|--|
| <p>(84) Designated Contracting States:<br/><b>DE FR GB IT NL</b></p> <p>(43) Date of publication of application:<br/><b>27.06.2001 Bulletin 2001/26</b></p> <p>(73) Proprietor: <b>Taiyo Nippon Sanso Corporation</b><br/><b>Tokyo (JP)</b></p> <p>(72) Inventors:<br/>• <b>Matsumoto, Koh c/o Nippon Sanso Corp.</b><br/><b>Tokyo 105-1003 (JP)</b><br/>• <b>Dong, Jie c/o Nippon Sanso Corp.</b><br/><b>Tokyo 105-1003 (JP)</b><br/>• <b>Masusaki, Hiroshi c/o Nippon Sanso Corp.</b><br/><b>Tokyo 105-1003 (JP)</b><br/>• <b>Suzuki, Katsumasa c/o Nippon Sanso Corp.</b><br/><b>Tokyo 105-1003 (JP)</b></p> | <p>(74) Representative: <b>Cummings, Sean Patrick et al</b><br/><b>David Keltie Associates</b><br/><b>Fleet Place House</b><br/><b>2 Fleet Place</b><br/><b>London EC4M 7ET (GB)</b></p> <p>(56) References cited:<br/><b>EP-A- 0 706 042</b> <b>WO-A-98/45686</b><br/><b>DE-A1- 19 712 823</b></p> <ul style="list-style-type: none"><li>• <b>WU SHANG-QIAN ET AL.: "Absorption spectrometry of trace moisture in ammonia gas with a 1371 nm distributed-feedback diode laser." JPN. J. APPL. PHYS. , vol. 38, no. 8, August 1999 (1999-08), pages 4478-4793, XP002139960</b></li><li>• <b>PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03, 29 March 1996 (1996-03-29) &amp; JP 07 311154 A (HORIBA LTD), 28 November 1995 (1995-11-28)</b></li></ul> |
|---|--|

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 111 369 B8