

Title (en)  
Method and arrangement for determining measurement accuracy and for documenting quality control in the manufacture of luminous tubes.

Title (de)  
Verfahren und Anordnung zum Nachweis der Messgenauigkeit und zur Dokumentation für die Qualitätssicherung bei der Herstellung von Leuchtröhren systemen.

Title (fr)  
Procédé et système pour la détermination de la précision de mesure et pour la documentation du contrôle de qualité pendant la fabrication des tubes lumineux.

Publication  
**EP 0678892 A3 19970521 (DE)**

Application  
**EP 95250041 A 19950217**

Priority  
DE 4414558 A 19940422

Abstract (en)  
[origin: EP0678892A2] The system uses a data collection system (6) for the mfg parameters, eg the temp pressure, heating current and duration, of the mfg process, supplied via respective sensors (4). The data is transferred to a programme-controlled electronic processor (3), used for process control via adjustable setting elements (5). Some or all of the process data provided by the data collection system is indicated on a display monitor (19) and handled by a data memory (11), for entering in a digital archive memory (14) and/or for providing a hard-copy print-out. <IMAGE>

IPC 1-7  
**H01J 9/00**; **H01J 9/42**

IPC 8 full level  
**H01J 9/00** (2006.01); **H01J 9/42** (2006.01)

CPC (source: EP)  
**H01J 9/00** (2013.01); **H01J 9/42** (2013.01)

Citation (search report)

- [X] DE 3907033 A1 19900906 - FLOW COMP INGENIEUR GMBH [DE]
- [X] WO 8404439 A1 19841108 - CENTRAL ELECTR GENERAT BOARD [GB]
- [X] WO 8505178 A1 19851121 - FOXBORO CO [US]
- [X] GB 2203541 A 19881019 - VAISALA OY, et al
- [X] FR 2683901 A1 19930521 - ALSTHOM CGE ALCATEL [FR]
- [Y] DE 2208017 A1 19720830 - HASLER GMBH
- [A] US 4157206 A 19790605 - IKEDA TAKESHI [JP], et al
- [A] DE 4103166 A1 19920123 - SCHULZ RUDOLF [DE]
- [A] EP 0460294 A2 19911211 - FETTE WILHELM GMBH [DE]
- [A] DE 3150025 A1 19820729 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] FR 2671628 A1 19920717 - DORYOKURO KAKUNENRYO [JP]
- [A] DE 3442583 A1 19860528 - VOHRER CHRISTOPH
- [A] US 4313344 A 19820202 - BROGARDH TORGNY, et al
- [Y] DATABASE INSPEC INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB; KONDO N ET AL: "Flexible bulb producing machine", XP002024158 & JOURNAL OF THE ILLUMINATING ENGINEERING INSTITUTE OF JAPAN, MAY 1986, JAPAN, vol. 70, no. 5, ISSN 0019-2341, pages 207 - 211
- [Y] DATABASE INSPEC INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB; MAEDA Y ET AL: "High throughput automated PV cell/module manufacturing plant", XP002024159 & PHOTOVOLTAICS FOR COMMERCIAL SOLAR POWER APPLICATIONS, CAMBRIDGE, MA, USA, 18-19 SEPT. 1986, vol. 706, ISSN 0277-786X, PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1986, USA, pages 40 - 45
- [A] DATABASE INSPEC INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB; JANSSON B J N: "Standardisation and quality assurance in the lamp industry", XP002024161 & LIGHTING RESEARCH AND TECHNOLOGY, 1978, UK, vol. 10, no. 4, ISSN 0024-3426, pages 196 - 198

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0678892 A2 19951025**; **EP 0678892 A3 19970521**; **EP 0678892 B1 20060104**; AT E315275 T1 20060215; DE 4414558 C1 19951109; DE 59511035 D1 20060330

DOCDB simple family (application)  
**EP 95250041 A 19950217**; AT 95250041 T 19950217; DE 4414558 A 19940422; DE 59511035 T 19950217