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A. CLASSIFICATION OF SUBJECT MATTER INV. A61L2/28 G01N2 A61L2/28 G01N21/78 ADD. 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) A61L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Χ US 2010/249560 A1 (LEVINSON DOUGLAS A [US] 1,9,12 ET AL) 30 September 2010 (2010-09-30) paragraphs [0132], [0154], 2-8,10, Α 11,13-19 Α WO 2013/016080 A2 (EASTMAN KODAK CO [US]; 1 - 19NAIR MRIDULA [US]; JONES TAMARA K [US])
31 January 2013 (2013-01-31) claims 1,4 WO 2006/021953 A2 (SKYRAD LTD [IL]; FARAN ORI [IL]) 2 March 2006 (2006-03-02) Α 1 - 19claim 1; figure 1 WO 82/03127 A1 (ALFA LAVAL AB [SE]; BJOERLING KARL TORSTEN [SE]; GROENBERG ANN Α 1 - 19MARIE M) 16 September 1982 (1982-09-16) claim 1; figures 1-2 Χ Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "O" document referring to an oral disclosure, use, exhibition or other document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 26 January 2015 10/02/2015 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016 Tiercet, Marc

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2014/042886

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010249560 A	30-09-2010	US 2010249560 A1 WO 2010101625 A2	30-09-2010 10-09-2010
WO 2013016080 A	2 31-01-2013	CN 103703063 A EP 2736965 A2 WO 2013016080 A2	02-04-2014 04-06-2014 31-01-2013
WO 2006021953 A	2 02-03-2006	AU 2005276116 A1 BR PI0517351 A CA 2577994 A1 EP 1810005 A2 JP 2008510987 A US 2008009067 A1 WO 2006021953 A2	02-03-2006 07-10-2008 02-03-2006 25-07-2007 10-04-2008 10-01-2008 02-03-2006
WO 8203127 A	1 16-09-1982	DE 3275011 D1 EP 0085678 A1 FI 831048 A JP S58500182 A SE 427389 B US 4454094 A WO 8203127 A1	12-02-1987 17-08-1983 28-03-1983 03-02-1983 28-03-1983 12-06-1984 16-09-1982