



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:

EP 15 89 01 68

Classification of the application (IPC):
F01K 23/04, F01K 25/10, F01K 7/34

Technical fields searched (IPC):
F01K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 5440882 A (KALINA ALEXANDER I [US]) 15 August 1995 (1995-08-15) * column 3, line 60 - column 4, line 47; figures 1,2 *	1, 2, 5-14
X	US 2011308253 A1 (RITTER JASON [US]) 22 December 2011 (2011-12-22) * paragraphs [0030] - [0033]; figure 2 *	1-15
X	US 2013160449 A1 (COGSWELL FREDERICK J [US] ET AL) 27 June 2013 (2013-06-27) * paragraphs [0012] - [0019]; figure 1 *	1-15
X	US 2013168973 A1 (XU JAMES JUN [US] ET AL) 04 July 2013 (2013-07-04) * paragraphs [0045] - [0058]; figures 2,3 *	1-15
X	US 2010263380 A1 (BIEDERMAN BRUCE P [US] ET AL) 21 October 2010 (2010-10-21) * paragraphs [0015] - [0026]; figure 2 *	1, 11

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 05 June 2018	Examiner Röberg, Andreas
---------------------------	--	-----------------------------

CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| &: member of the same patent family, corresponding document | L: document cited for other reasons |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:

EP 15 89 01 68

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 05-06-2018.
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5440882 A	15-08-1995	AT 161074 T	15-12-1997
		CN 1110762 A	25-10-1995
		DE 69407261 D1	22-01-1998
		DE 69407261 T2	23-04-1998
		DK 0652368 T3	09-02-1998
		EP 0652368 A1	10-05-1995
		ES 2111258 T3	01-03-1998
		GR 3026220 T3	29-05-1998
		GT 199400070 A	25-04-1996
		IS 4229 A	04-05-1995
		IS 6587 A	21-10-2002
		IT 1276054 B1	24-10-1997
		JP 3789499 B2	21-06-2006
		JP H07208117 A	08-08-1995
		NZ 264705 A	21-12-1995
		RU 2123606 C1	20-12-1998
		US 5440882 A	15-08-1995
US 2011308253 A1	22-12-2011	AU 2011202917 A1	19-01-2012
		CA 2743764 A1	21-12-2011
		EP 2397659 A2	21-12-2011
		US 2011308253 A1	22-12-2011
US 2013160449 A1	27-06-2013	CA 2798770 A1	22-06-2013
		CN 103174475 A	26-06-2013
		EP 2607635 A2	26-06-2013
		SG 191468 A1	31-07-2013
		US 2013160449 A1	27-06-2013
US 2013168973 A1	04-07-2013	EP 2613027 A2	10-07-2013
		KR 20130080458 A	12-07-2013
		RU 2012158316 A	10-07-2014
		US 2013168973 A1	04-07-2013
US 2010263380 A1	21-10-2010	EP 2212524 A1	04-08-2010
		JP 2010540837 A	24-12-2010
		US 2010263380 A1	21-10-2010
		WO 2009045196 A1	09-04-2009