

**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 15 79 8772

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2011/183563 A1 (OCHI TAKASHI [JP] ET AL) 28 July 2011 (2011-07-28) * paragraph [0427]; example 1 * -----	1-9	INV. D01F6/60 A41B17/00 D01F8/12
X	JP 3 379142 B2 (TORAY INDUSTRIES) 17 February 2003 (2003-02-17) * abstract; claim 1 * -----	1	D01F8/14 D03D15/00 D06M11/00 D06M11/05
			TECHNICAL FIELDS SEARCHED (IPC)
			D01F D01D
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 <b>The Hague</b>		Date of completion of the search <b>13 April 2017</b>	Examiner <b>Malik, Jan</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

1

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 79 8772

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-04-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011183563 A1	28-07-2011	AT 536428 T	15-12-2011
		EP 1564315 A1	17-08-2005
		ES 2378428 T3	12-04-2012
		KR 20050056265 A	14-06-2005
		KR 20110002888 A	10-01-2011
		TW 1311594 B	01-07-2009
		TW 200925343 A	16-06-2009
		US 2006057350 A1	16-03-2006
		US 2011183563 A1	28-07-2011
		WO 2004038073 A1	06-05-2004
-----			
JP 3379142 B2	17-02-2003	JP 3379142 B2	17-02-2003
		JP H06330432 A	29-11-1994
-----			