

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 87 8262

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 2011/017431 A1 (YANG RONGGUI [US] ET AL) 27 January 2011 (2011-01-27)	11-14	INV. G06F1/20 F28D15/04
A	* paragraphs [0081], [0149] - [0159]; figures 1,4,22-26 *	1-10,15	
A	US 2011/198059 A1 (GAVILLET JEROME [FR] ET AL) 18 August 2011 (2011-08-18) * paragraphs [0001] - [0052]; figures 1-4 *	1-15	
A	US 2013/244439 A1 (GHARIEHALI AMIR TAVAKKOLI KERMANI [IR] ET AL) 19 September 2013 (2013-09-19) * the whole document *	1-15	
A	US 2010/093160 A1 (ROH YONGHAN [KR] ET AL) 15 April 2010 (2010-04-15) * figures 2A-2C *	12-15	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC) F28F H01L G06F F28D H05K B23P G03F B81C C23C C23F
Place of search Munich		Date of completion of the search 2 May 2018	Examiner Leclaire, Thomas
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			

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

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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
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02-05-2018

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