



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 72 91 73

Classification of the application (IPC):
F28D 9/00, F28F 27/02

Technical fields searched (IPC):
F28F, F28D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	CN 204478886 U (LUOYANG RUICHANG PETROCHEMICAL EQUIPMENT CO LTD) 15 July 2015 (2015-07-15) * the whole document *	1-15
X	CN 104501632 A (LUOYANG RUICHANG PETROCHEMICAL EQUIPMENT CO LTD) 08 April 2015 (2015-04-08) * the whole document *	1-15
X	CN 204478885 U (RUICHANG (LUOYANG) PETRO-CHEMICAL EQUIPMENT ENGINEERING TECHNOLOGY CO.) 15 July 2015 (2015-07-15) * the whole document *	1-15
X	CN 104457343 A (LUOYANG RUICHANG PETROCHEMICAL EQUIPMENT CO LTD) 25 March 2015 (2015-03-25) * the whole document *	1-15

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 22 July 2019	Examiner Martínez Rico, Celia
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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

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 22-07-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CN 204478886	U	15-07-2015	NONE	
CN 104501632	A	08-04-2015	CN 104501632 A	08-04-2015
			JP 6349465 B2	27-06-2018
			JP 2018503792 A	08-02-2018
			US 2017328645 A1	16-11-2017
			WO 2016095872 A1	23-06-2016
CN 204478885	U	15-07-2015	NONE	
CN 104457343	A	25-03-2015	NONE	