



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 90 29 38

**Classification of the application (IPC):**  
F24F 11/64, F24F 11/56, F04D 27/00, F24F 110/20

**Technical fields searched (IPC):**  
F24F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	KR 20180086788 A (NEOTIZEN CO LTD [KR]) 01 August 2018 (2018-08-01) * paragraph [0001]; figures 5, 6 * * paragraph [0037] - paragraph [0054] *	1-3, 5-11, 15
X	WO 2016122088 A1 (HANSOL TECHNICS INC [KR]) 04 August 2016 (2016-08-04) * figures 5,6 *	12-14
Y		1-3, 5-11, 15
A	KR 20180078397 A (LG ELECTRONICS INC [KR]; ULSAN NAT INST SCIENCE & TECH UNIST [KR]) 10 July 2018 (2018-07-10) * paragraphs [0001], [0027] - [0059]; figures 2-4 * * paragraph [0113] - paragraph [0119] *	1-11
A	CN 108105132 A (YANG YUMEI) 01 June 2018 (2018-06-01) * the whole document *	4

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 26 November 2021	Examiner Hauck, Gunther
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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 26-11-2021  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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WO2016122088	A1	04-08-2016	KR 20160094514 A WO 2016122088 A1	10-08-2016 04-08-2016
KR 20180078397	A	10-07-2018	NONE	
CN 108105132	A	01-06-2018	NONE	