



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 82 62 22

Classification of the application (IPC):
A24F 40/40, A24F 40/10, A24F 40/42, A24F 40/44

Technical fields searched (IPC):
A24F, A61M

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	CN 109393570 A (ANKER INNOVATIONS LTD) 01 March 2019 (2019-03-01) * paragraph [0017] - paragraph [0063]; figure 4 *	1-7 8-15
A	CN 210203316 U (SHENZHEN FIRST UNION TECHNOLOGY CO., LTD.) 31 March 2020 (2020-03-31) * figures 2,6 *	6
E	& EP 3967165 A1 (SHENZHEN FIRST UNION TECH CO [CN]) 16 March 2022 (2022-03-16) * paragraph [0032] - paragraph [0063]; figures 2,6 *	6
A	CN 210726699 U (CHANGZHOU PAITENG ELECTRONIC TECHNOLOGY SERVICE CO., LTD.) 12 June 2020 (2020-06-12) * figure 5 *	6
X,P	CN 212852491 U (SHENZHEN FIRST UNION TECHNOLOGY CO., LTD.) 02 April 2021 (2021-04-02) * paragraph [0117] - paragraph [0176]; figure 19 *	1-15
E	EP 4233582 A1 (SHENZHEN FIRST UNION TECH CO [CN]) 30 August 2023 (2023-08-30) * paragraph [0019] - paragraph [0047]; figure 5 *	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 The Hague	Date of completion of the search 27 October 2023	Examiner Koob, Michael
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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 27-10-2023
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 109393570 A	01-03-2019	NONE	
CN 210203316 U	31-03-2020	CA 3138966 A1 CN 210203316 U EP 3967165 A1 JP 7308980 B2 JP 2022531779 A KR 20220002417 A US 2022211107 A1 WO 2020224590 A1	12-11-2020 31-03-2020 16-03-2022 14-07-2023 11-07-2022 06-01-2022 07-07-2022 12-11-2020
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CN 212852491 U	02-04-2021	NONE	
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