



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 83 15 91

Classification of the application (IPC):
H01R 12/70, H01R 13/6594, H01R 24/60, H01R 13/504, H01R 107/00

Technical fields searched (IPC):
H01R

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2018159277 A1 (YU YANG-YANG [CN] ET AL) 07 June 2018 (2018-06-07) * paragraphs [0019] - [0026]; figures 1-15 *	1-3, 5-15 4
X Y	TW M595905 U (ADVANCED CONNECTEK INC [TW]) 21 May 2020 (2020-05-21) * paragraphs [0002], [0026]; figures 1-7 * & US 2021167540 A1 (CHIEN MIN-LUNG [TW] ET AL) 03 June 2021 (2021-06-03) * paragraphs [0003], [0038]; figures 1-7 *	1-3, 5-15 4
X Y	US 2017331235 A1 (YOKOYAMA YOHEI [JP] ET AL) 16 November 2017 (2017-11-16) * paragraphs [0069] - [0074]; figures 1-15 *	1-3, 5-15 4
Y A	EP 2270932 A1 (HOSIDEN CORP [JP]) 05 January 2011 (2011-01-05) * paragraph [0014]; figures 1-3 *	4 3
A	CN 108565643 A (WENWEN INTELLIGENT INFORMATION TECH CO LTD) 21 September 2018 (2018-09-21) * claim 2; figure 2 *	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 09 October 2023	Examiner Teske, Ekkehard
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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 09-10-2023
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2018159277	A1	07-06-2018	NONE	
TW M595905	U	21-05-2020	CN 112864694 A CN 213584335 U TW M595905 U US 2021167540 A1	28-05-2021 29-06-2021 21-05-2020 03-06-2021
US 2017331235	A1	16-11-2017	CN 107112677 A JP 2016100082 A KR 20170066621 A TW 201620219 A US 2017331235 A1 WO 2016080010 A1	29-08-2017 30-05-2016 14-06-2017 01-06-2016 16-11-2017 26-05-2016
EP 2270932	A1	05-01-2011	BR PI1002296 A2 CA 2708035 A1 CN 101938053 A EP 2270932 A1 JP 5342943 B2 JP 2011009151 A KR 20110001866 A TW 201106559 A US 2010330848 A1	26-07-2011 29-12-2010 05-01-2011 05-01-2011 13-11-2013 13-01-2011 06-01-2011 16-02-2011 30-12-2010
CN 108565643	A	21-09-2018	NONE	