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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 95 65 02

Classification of the application (IPC):
H04W 72/12, H04W 74/04

Technical fields searched (IPC):
H04L

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	WO 2020163368 A1 (APPLE INC [US]) 13 August 2020 (2020-08-13) * paragraph [0034] - paragraph [0035] *	1-4, 7-9, 12-15 5, 6
A	OPPO: "Enhancement on inter-cell multi-TRP operation", 3GPP DRAFT; R1-2005985, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 07 August 2020 (2020-08-07), vol. RAN WG1, no. e-Meeting; 20200817 - 20200828 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2005985.zip R1-2005985.doc [retrieved on 07 August 2020 (2020-08-07)] XP052347359 * the whole document *	1-9, 12-15
A	SAMSUNG: "Enhancements on Multi-TRP/Panel Transmission", 3GPP DRAFT; R1-1910493 NCJT, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 04 October 2019 (2019-10-04), vol. RAN WG1, no. Chongqing, China; 20191014 - 20191020 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_98b/Docs/R1-1910493.zip R1-1910493 NCJT.docx [retrieved on 04 October 2019 (2019-10-04)] XP051808213 * the whole document *	1-4, 7-9, 12-15
A	INTEL CORPORATION: "Multi-TRP enhancements for inter-cell operation", 3GPP DRAFT; R1-2005860, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 08 August 2020 (2020-08-08), vol. RAN WG1, no. e-Meeting; 20200817 - 20200828 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2005860.zip R1-2005860.docx [retrieved on 08 August 2020 (2020-08-08)] XP051917761 * the whole document *	1-4, 7-9, 12-15

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 26 October 2023	Examiner Tanbourgi, Ralph
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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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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9, 12-15

Handling overlapping simultaneous downlink and uplink transmissions from multiple TRPs

2. claims: 1, 10, 11

Handling multiple simultaneous downlink transmissions with time difference exceeding cyclic prefix length from multiple TRPs

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-9, 12-15

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 26 October 2023	Examiner Tanbourgi, Ralph
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 95 65 02

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 26-10-2023
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2020163368	A1	13-08-2020	CN	113508631 A	15-10-2021
			EP	3895495 A1	20-10-2021
			US	2022132527 A1	28-04-2022
			WO	2020163368 A1	13-08-2020