



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 91 81 83

Classification of the application (IPC):

H04W 12/08, H04W 36/14, H04W 8/18, H04W 12/06, H04W 84/10, H04W 92/04, H04W 92/20

Technical fields searched (IPC):

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2019091639 A1 (ERICSSON TELEFON AB L M [SE]) 16 May 2019 (2019-05-16)	1, 3, 4, 6, 8, 13, 15, 19
Y	* p. 13, l.16 - p.23, l.21 with reference to Figs. 3a, 3b & 4-5 *	5, 9
X	"3 Generation Partnership Project; Technical Specification Group Radio Access Network; NG-RAN; Xn application protocol (XnAP) (Release 16)" , 3GPP STANDARD; TECHNICAL SPECIFICATION; 3GPP TS 38.423, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 04 January 2021 (2021-01-04), vol. RAN WG3, no. V16.4.0, pages 1-457 URL: https://ftp.3gpp.org/Specs/archive/38_series/38.423/38423-g40.zip 38423-g40.doc [retrieved on 04 January 2021 (2021-01-04)] XP051999712 * clause 9.1.1.1 making explicit reference to clauses 9.2.3.53 & 9.2.3.100 *	10-12, 17-19
X	"3 Generation Partnership Project; Technical Specification Group Radio Access Network; NG-RAN; NG Application Protocol (NGAP) (Release 16)" , 3GPP STANDARD; TECHNICAL SPECIFICATION; 3GPP TS 38.413, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 04 January 2021 (2021-01-04), vol. RAN WG3, no. V16.4.0, pages 1-470 URL: https://ftp.3gpp.org/Specs/archive/38_series/38.413/38413-g40.zip 38413-g40.doc [retrieved on 04 January 2021 (2021-01-04)] XP051999709 * clause 9.2.3.4 making explicit reference to clause 9.3.1.85 *	10-12, 17-19 5, 9

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 16 August 2023	Examiner Gavin Alarcon, Oscar
---------------------------	--	----------------------------------

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 |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 91 81 83

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	SAMSUNG: "NW selection considering RAN sharing for NPNs" , 3GPP DRAFT; S2-1903572_23501_NPN NW SHARING_REL16, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 02 April 2019 (2019-04-02), vol. SA WG2, no. Xi'an, China; 20190408 - 20190412 URL: http://www.3gpp.org/ftp/tsg%5Fsa/WG2%5FArch/TSGS2%5F132%5FXiAn/Docs/S2%2D1903572%2Ezip [retrieved on 02 April 2019 (2019-04-02)] XP051719720 * clauses 5.18.2a & 5.18.4 *	1, 2, 6, 7, 10, 11, 13-19
A	"3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; System architecture for the 5G System (5GS); Stage 2 (Release 16)" , 3GPP STANDARD; 3GPP TS 23.501, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 17 December 2020 (2020-12-17), vol. SA WG2, no. V16.7.0, pages 1-450 URL: https://ftp.3gpp.org/Specs/latest/Rel-16/23_series/23501-g70.zip 23501-g70.docx [retrieved on 17 December 2020 (2020-12-17)] XP051999854 * clauses 5.18.2a & 5.18.4 *	1-19

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 16 August 2023	Examiner Gavin Alarcon, Oscar
---------------------------	--	----------------------------------

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 |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 91 81 83

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 16-08-2023
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2019091639	A1	16-05-2019	CN	111316698 A	19-06-2020
			CO	2020004364 A2	24-04-2020
			EP	3707930 A1	16-09-2020
			KR	20200080307 A	06-07-2020
			WO	2019091639 A1	16-05-2019