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## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 88 40 30

**Classification of the application (IPC):**  
H04L 5/00, H04W 72/00, H04W 72/04, H04W 72/12, H04W 4/06

**Technical fields searched (IPC):**  
H04L, H04W

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	<p><b>MODERATOR (CMCC):</b> "FL summary on NR Multicast and Broadcast Services", 3GPP DRAFT; R1-2007001, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 17 August 2020 (2020-08-17), vol. RAN WG1, no. e-Meeting; 20200817 - 20200828 URL: <a href="https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2007001.zip">https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2007001.zip</a> R1-2007001 FL summary on NR Multicast and Broadcast Services.docx [retrieved on 17 August 2020 (2020-08-17)] XP052348370 * page 2 - page 10 *</p>	1-7, 14 8-13
X	<p><b>MODERATOR (CMCC):</b> "Summary#2 on NR Multicast and Broadcast Services", 3GPP DRAFT; R1-2007235, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 27 August 2020 (2020-08-27), vol. RAN WG1, no. e-Meeting; 20200817 - 20200828 URL: <a href="https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2007235.zip">https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2007235.zip</a> R1-2007235.docx [retrieved on 27 August 2020 (2020-08-27)] XP052348603 * page 37 - page 57 *</p>	1, 2, 6, 7, 14
X,P	<p>"5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 17.5.0 Release 17)", ETSI TECHNICAL SPECIFICATION, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI), 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS ; FRANCE, 26 July 2023 (2023-07-26), vol. 3GPP RAN, no. V17.5.0, pages 1-214 URL: <a href="http://www.etsi.org/deliver/etsi_ts/138300_138399/138300/17.05.00_60/ts_138300v170500p.pdf">http://www.etsi.org/deliver/etsi_ts/138300_138399/138300/17.05.00_60/ts_138300v170500p.pdf</a> [retrieved on 26 July 2023 (2023-07-26)] XP014470078 * the whole document *</p>	1-4, 6-9, 14

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 13 August 2024	Examiner Dupuis, Hervé
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### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 2014119264 A1 (SHAUH JACK SHYH-HURNG [US] ET AL) 01 May 2014 (2014-05-01) * paragraph [0087] - paragraph [0102] *	1, 7-14

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 13 August 2024	Examiner Dupuis, Hervé
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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

Application number:  
EP 21 88 40 30

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 13-08-2024.  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2014119264	A1	01-05-2014	CN 104756567 A 01-07-2015
			EP 2912905 A1 02-09-2015
			JP 6479668 B2 06-03-2019
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			JP 2015533064 A 16-11-2015
			JP 2019062545 A 18-04-2019
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