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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 85 88 22

Classification of the application (IPC):

H04L 1/00, H04L 1/08, H04L 5/00, H04L 25/02, H04W 52/14, H04W 72/04,
H04W 72/12, H04B 17/327, H04W 52/48

Technical fields searched (IPC):

H04W, H04L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2019313436 A1 (LEE HYUNHO [KR] ET AL) 10 October 2019 (2019-10-10) * paragraphs [0093], [0095], [0106], [0111], [0145], [0199], [0218], [0220]; figure 12 *	1-15
A	HUAWEI ET AL: "Corrections on PUSCH enhancement", 3GPP DRAFT; R1-2001028, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 15 February 2020 (2020-02-15), vol. RAN WG1, no. 20200224 - 20200306 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_100_e/Docs/R1-2001028.zip R1-2001028.docx [retrieved on 15 February 2020 (2020-02-15)] XP051853566 * sections 2.1, 2.6 and appendix *	1-15
A	US 2015280876 A1 (YOU HYANGSUN [KR] ET AL) 01 October 2015 (2015-10-01) * paragraphs [0169], [0171], [0173] *	1-15
A	CATT: "Discussion on potential techniques for PUSCH coverage enhancement", 3GPP DRAFT; R1-2005724, 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/R1-2005724.zip R1-2005724.docx [retrieved on 08 August 2020 (2020-08-08)] XP052347097 * proposals 1 and 2 and section 2;figures 2,3,4 *	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 Munich	Date of completion of the search 01 July 2024	Examiner May, David
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CATEGORY OF CITED DOCUMENTS

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Application number:
EP 21 85 88 22

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X,P	<p>SAMSUNG: "Joint channel estimation for PUSCH" , 3GPP DRAFT; R1-2103253, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 07 April 2021 (2021-04-07), vol. RAN WG1, no. e-Meeting; 20210412 - 20210420 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_104b-e/Docs/R1-2103253.zip R1-2103253 Joint channel estimation for PUSCH.docx [retrieved on 07 April 2021 (2021-04-07)] XP052178029 * sections 2-4 *</p>	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 Munich	Date of completion of the search 01 July 2024	Examiner May, David
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& : 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:
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