



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 84 06 36

Classification of the application (IPC):
H04L 29/02, H04W 74/00, H04W 72/12, H04L 5/00, H04L 1/18

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 Y	MEDIATEK INC: "Remaining issues for Rel-14 NB-IoT 2 HARQ processes" , 3GPP DRAFT; R1-1702750 REMAINING ISSUES FOR REL-14 NB-IOT 2 HARQ PROCESSES, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CED, 12 February 2017 (2017-02-12), vol. RAN WG1, no. Athens, Greece; 20170213 - 20170217 URL: http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/ [retrieved on 12 February 2017 (2017-02-12)] XP051209897 * figure 1 * * section: 3;page 1 * * sections: 4, 5;page 2 - page 3 *	1-7, 9-15 8
X A	QUALCOMM INCORPORATED: "Timing relationships for 2 HARQ processes" , 3GPP DRAFT; R1-1708757 DRAFT CR FOR TIMING RELATIONSHIPS FOR TWO HARQ PROCESSES, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLI, 06 May 2017 (2017-05-06), vol. RAN WG1, no. Hangzhou, China; 20170515 - 20170519 URL: http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_89/Docs/ [retrieved on 06 May 2017 (2017-05-06)] XP051262632 * section: 1;page 1 * * section: 16.6;page 2 - page 3 *	1-5, 9-15 6-8

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 21 January 2021	Examiner Atanasovski, Igor
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
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 A: technological background
 O: non-written disclosure
 & : member of the same patent family, corresponding document

P: intermediate document
 T: theory or principle underlying the invention
 E: earlier patent document, but published on, or after the filing date
 D: document cited in the application
 L: document cited for other reasons



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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	ZTE : "Clarification on Rel-14 NPDCCH monitoring" , 3GPP DRAFT; R1-1707799 CLARIFICATION ON REL-14 NPDCCH MONITORING, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANC, 06 May 2017 (2017-05-06), vol. RAN WG1, no. Hangzhou, China; 20170515 - 20170519 URL: http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_89/Docs/ [retrieved on 06 May 2017 (2017-05-06)] XP051262078 * section: 1;page 1 * * section: 2;page 2 - page 3 *	1-5, 9-15
A		6-8
Y	US 2017141901 A1 (RICO ALVARINO ALBERTO [US] ET AL) 18 May 2017 (2017-05-18)	8
A	* page 6, paragraph 0070 - page 7, paragraph 0072 *	1-7, 9-15

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	Date of completion of the search	Examiner
The Hague	21 January 2021	Atanasovski, Igor

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 L: document cited for other reasons



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 21-01-2021
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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2017141901	A1 18-05-2017	AU BR CN EP JP KR TW US US WO	2016351566 A1 112018009658 A2 108352971 A 3375122 A1 2019501568 A 20180084771 A 201720197 A 2017141901 A1 2020052855 A1 2017083137 A1	26-04-2018 13-11-2018 31-07-2018 19-09-2018 17-01-2019 25-07-2018 01-06-2017 18-05-2017 13-02-2020 18-05-2017