Europäisches Patentamt
European Patent Office
Office européen des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 73 97 20

Classification of the application (IPC):
H04W 24/08, *H04W 24/10, H04W 36/00*

Technical fields searched (IPC):
H04W

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	**LG ELECTRONICS**: "Performance Impact on measurement relaxation for power saving" , 3GPP DRAFT; R4-2006695, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 15 May 2020 (2020-05-15), vol. RAN WG4, no. Electronic Meeting; 20200525 - 20200605 URL: https://ftp.3gpp.org/tsg_ran/WG4_Radio/TSGR4_95_e/Docs/R4-2006695.zip R4-2006695(power saving).doc [retrieved on 15 May 2020 (2020-05-15)] XP051883756 * 2 Discussion;in particular Proposal 1;page 1 - page 3; figures 1,2; tables 2-1 *	1-15
A	**CATT**: "Outcome of [AT109bis-e][505][PowSav] RRM Open Issues" , 3GPP DRAFT; R2-2003958, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 01 May 2020 (2020-05-01), vol. RAN WG2, no. electronic; 20200420 - 20200424 URL: https://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_109bis-e/Docs/R2-2003958.zip R2-2003958 Outcome of [AT109bis-e][505][PowSav] RRM Open Issues.doc [retrieved on 01 May 2020 (2020-05-01)] XP052354914 * 2.1. Frequency-specific relaxation triggers;page 1 - page 3 * * 2.2. RAN4-related issues;page 3 *	1-15
A	CN 111787567 A (GUANGDONG XIAOTIANCAI TECHNOLOGY CO LTD) 16 October 2020 (2020-10-16) * paragraph [0003] - paragraph [0027] *	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	Date of completion of the search	Examiner
The Hague	21 October 2024	Grimaldo, Michele

CATEGORY OF CITED DOCUMENTS

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

EP 4 278 663 A4

Europäisches Patentamt
European Patent Office
Office européen des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 73 97 20

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	**NOKIA ET AL**: "UE RRM Core requirements when applying UE power saving" , 3GPP DRAFT; R4-2001343, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 14 February 2020 (2020-02-14), vol. RAN WG4, no. e-Meeting; 20200224 - 20200306 URL: https://ftp.3gpp.org/tsg_ran/WG4_Radio/TSGR4_94_e/Docs/R4-2001343.zip R4-2001343.docx [retrieved on 14 February 2020 (2020-02-14)] XP051851268 * 2.3 Relaxation Method details;page 3 - page 5 *	1-15
A	**INTEL CORPORATION**: "Relaxation of RRM measurements" , 3GPP DRAFT; R2-1912789_RRM, 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 WG2, no. Chongqing, China; 20191014 - 20191018 URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_107bis/Docs/R2-1912789.zip [retrieved on 04 October 2019 (2019-10-04)] XP051790825 * 2.1.2 Conditions/criteria to relax the RRM measurements;page 2 - page 4 *	1-15
A	**SAMSUNG**: "On Triggering Relaxed RRM measurement in RRC_IDLE and RRC_INACTIVE" , 3GPP DRAFT; R2-1909172, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 16 August 2019 (2019-08-16), vol. RAN WG2, no. Prague, Czech Republic; 20190826 - 20190830 URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_107/Docs/R2-1909172.zip [retrieved on 16 August 2019 (2019-08-16)] XP051766979 * 3. Conclusion;page 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	Date of completion of the search	Examiner
The Hague	21 October 2024	Grimaldo, Michele

CATEGORY OF CITED DOCUMENTS

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

EP 4 278 663 A4

Europäisches Patentamt
European Patent Office
Office européen des brevets

ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 73 97 20

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 21-10-2024
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
CN 111787567 A	16-10-2020	*NONE*	

EP 4 278 663 A4