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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/922,408	10/31/2022	Basuki PRIYANTO	SYP335826US01	1410
190293	7590	01/31/2025	EXAMINER	
TUCKER ELLIS LLP - Sony Group			TRAN, CONGVAN	
950 MAIN AVENUE			ART UNIT	PAPER NUMBER
SUITE 1100			2647	
CLEVELAND, OH 44113-7213			NOTIFICATION DATE	DELIVERY MODE
			01/31/2025	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 17/922,408	Applicant(s) PRIYANTO et al.	
	Examiner CongVan Tran	Art Unit 2647	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Oct. 31, 2022.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-18 and 21 is/are pending in the application.
5a) Of the above claim(s) 19-20 and 22-32 is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-18 and 21 is/are rejected.
- 8) ☒ Claim(s) 2-17 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on Oct. 31, 2022 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☒ All b) ☐ Some** c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 4) ☐ Other: _____

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.
2. This office action is in response to Pre-Amendment filed on Oct. 31, 2022.
3. **Claims 3-7, 9, 11-13, 15 and 17** have been amended.
4. **Claims 19-20 and 22-32** have been canceled.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

6. **Claims 1, 18 and 21** are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Gangkhedkar et al. (2019/0239181).

Regarding claim 1, Gangkhedkar discloses a method for operating a network node in a wireless communication network (see abstract, fig.2, element 201, fig.7, element NN, paragraphs [0029], [0093-0095] and its description), the method comprising: determining whether a positioning process for positioning of a first communication device operated in the wireless communication network fulfils at least one predefined criterion (see abstract, fig.2, element 204, fig.7, element Target UE, paragraphs [0029], [0093-0096] and its description); and upon determining that the positioning process fulfils the at least one predefined criterion: triggering at least one second communication device operated in the wireless communication network and

located within radio range of the first communication device to transmit a positioning reference signal associated with the positioning process, to thereby increase a positioning accuracy of the positioning of the first communication device provided by the positioning process (see abstract, fig.2, element 208, fig.7, element UE candidate, paragraphs [0029], [0045], [0058-0059], [0069], [0074-0077], [0093-0099] and its description).

Regarding claim 18, Gangkhedkar discloses a method for operating a first communication device in a wireless communication network (see abstract, fig.2, element 204, fig.7, element target UE, paragraphs [0029], [0043-0044], [0093-0095] and its description), the method comprising: monitoring for downlink positioning reference signals from the wireless communication network, the downlink positioning reference signals being associated with a positioning process for positioning of the first communication device (see abstract, fig.2, element 204, fig.7, element target UE, paragraphs [0004], [0029], [0043-0044], [0093-0095], [0151] and its description), while participating in the positioning process: monitoring for a trigger from the wireless communication network to monitor for a positioning reference signal associated with the positioning process and transmitted by a second communication device (see abstract, fig.2, element 208, fig.7, element UE candidate, paragraphs [0029], [0045], [0058-0059], [0080-0081], [0093-0099] and its description), and upon detecting the trigger, monitoring for the positioning reference signal (see abstract, fig.2, element 208, fig.7, element UE candidate, paragraphs [0029], [0045], [0058-0061], [0080-0081], [0093-0099] and its description).

Regarding claim 21, Gangkhedkar discloses a method for a second communication device operated in a wireless communication network (see abstract, fig.2, element 208, fig.7, element anchor UEs candidates, paragraphs [0029], [0043-0046], [0093-0095] and its description), the method comprising: participating in a discovery process with a first communication device (see abstract, fig.2, elements 204 208, fig.7, element anchor UEs candidates, paragraphs [0029], [0059], [0077-0078] and its description), in response to a completed discovery provided by the discovery process: receiving an indication of a radio resource dedicated to a positioning reference signal associated with a positioning process for positioning of the first communication device (see abstract, fig.2, elements 204 208, fig.7, elements Target UE anchor UEs candidates, paragraphs [0029], [0058-0059], [0075-0078], [0089] and its description), transmitting the positioning reference signal in the radio resource(see abstract, fig.2, elements 204 208, fig.7, elements Target UE anchor UEs candidates, paragraphs [0029], [0058-0059], [0061], [0075-0080], [0089-0090], [0118] and its description).

Allowable Subject Matter

7. **Claims 2-17** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Examiner's Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as

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