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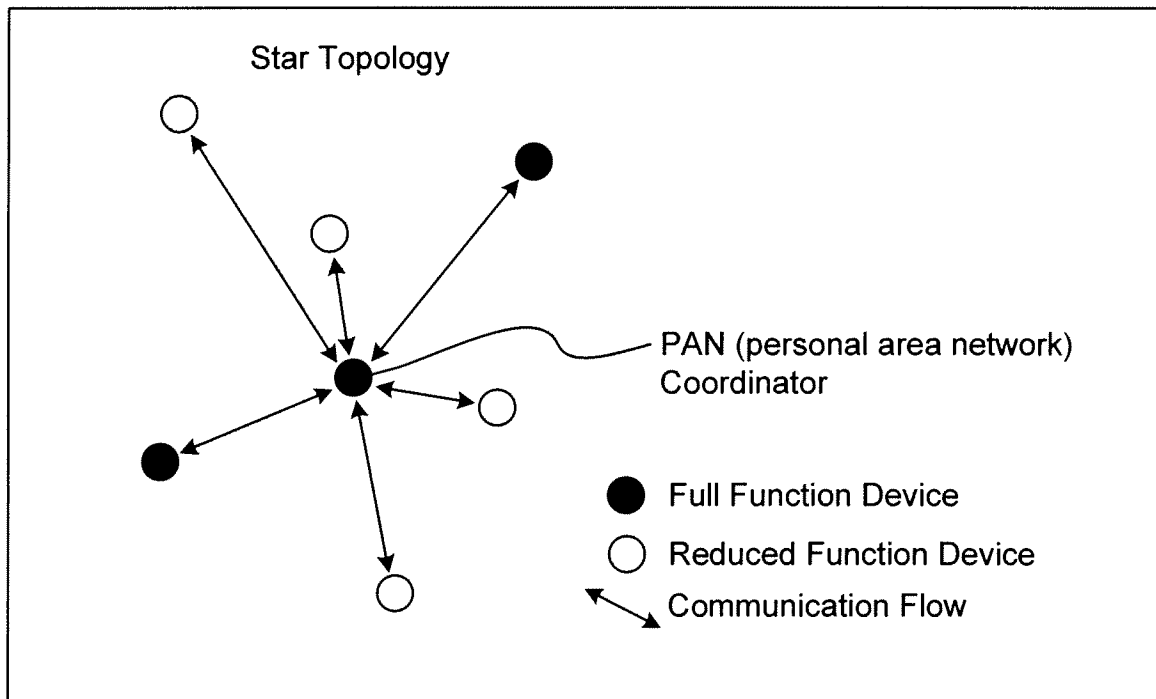


Fig. 1A

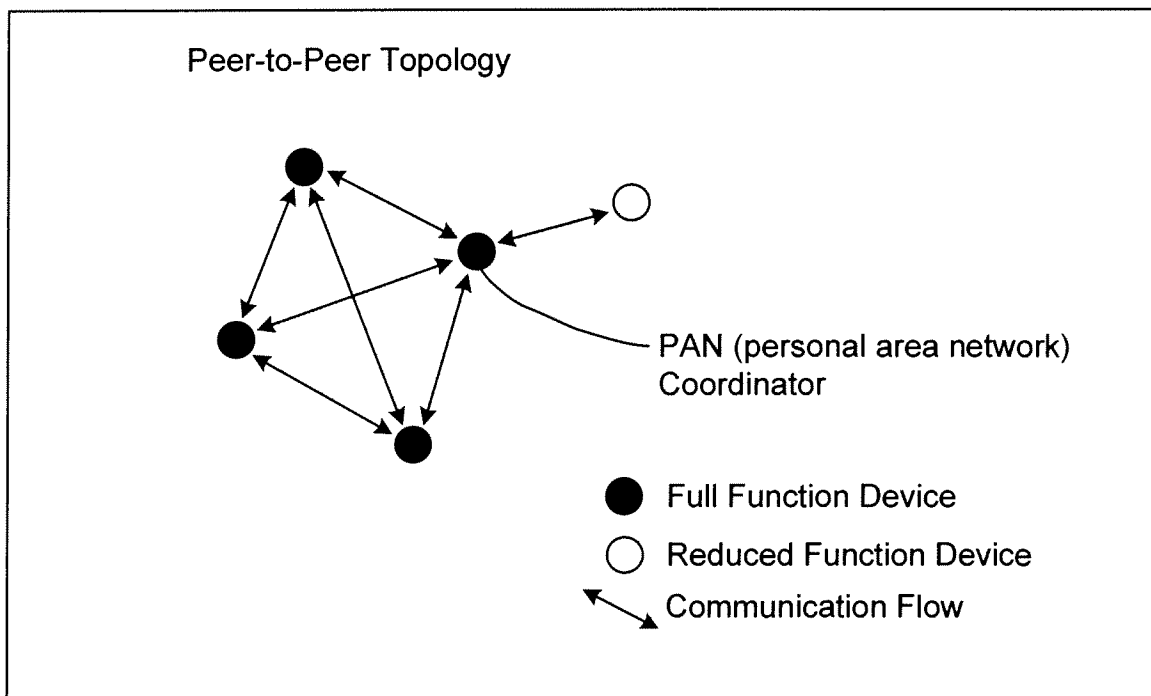


Fig. 1B

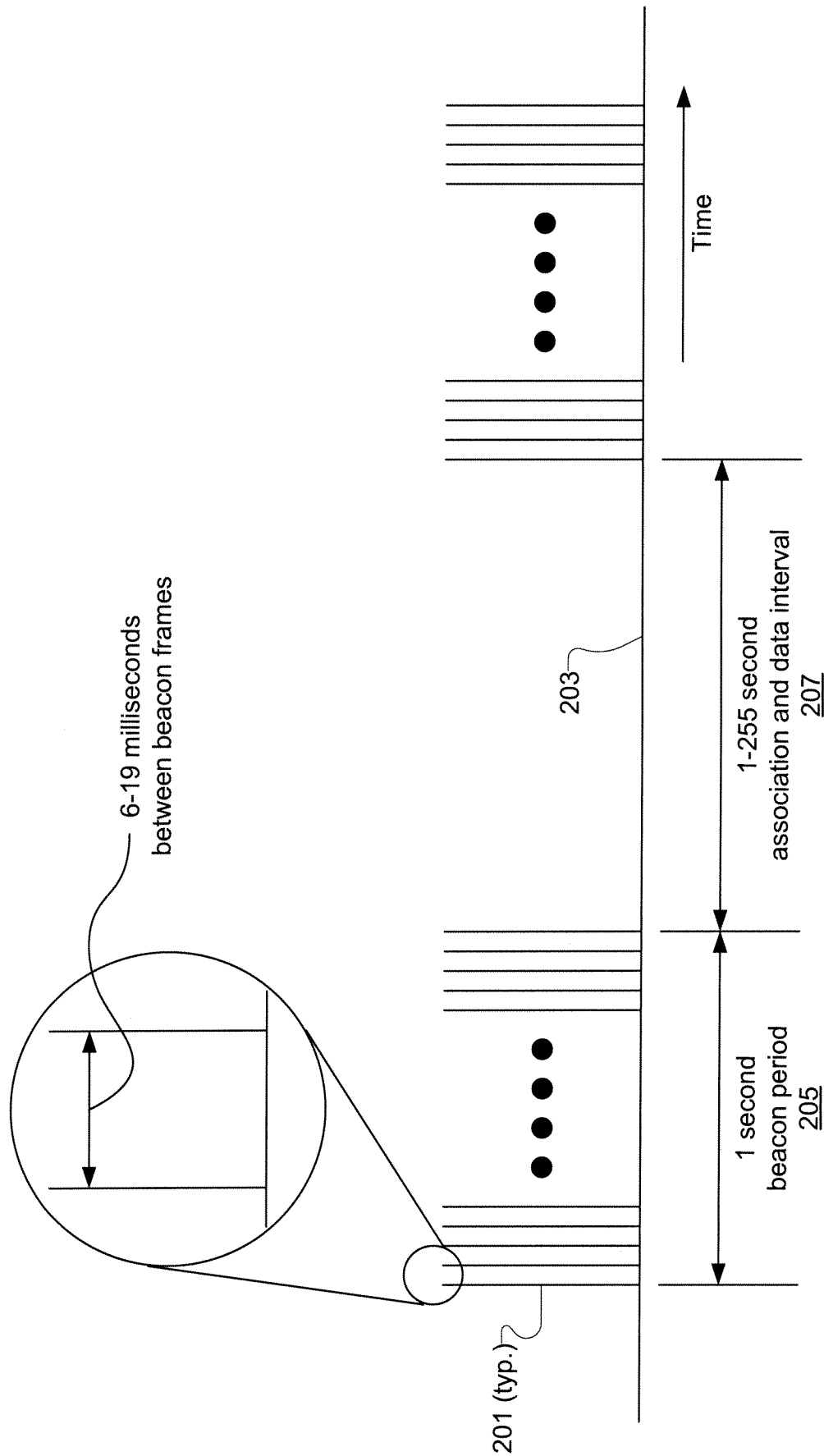


Fig. 2A

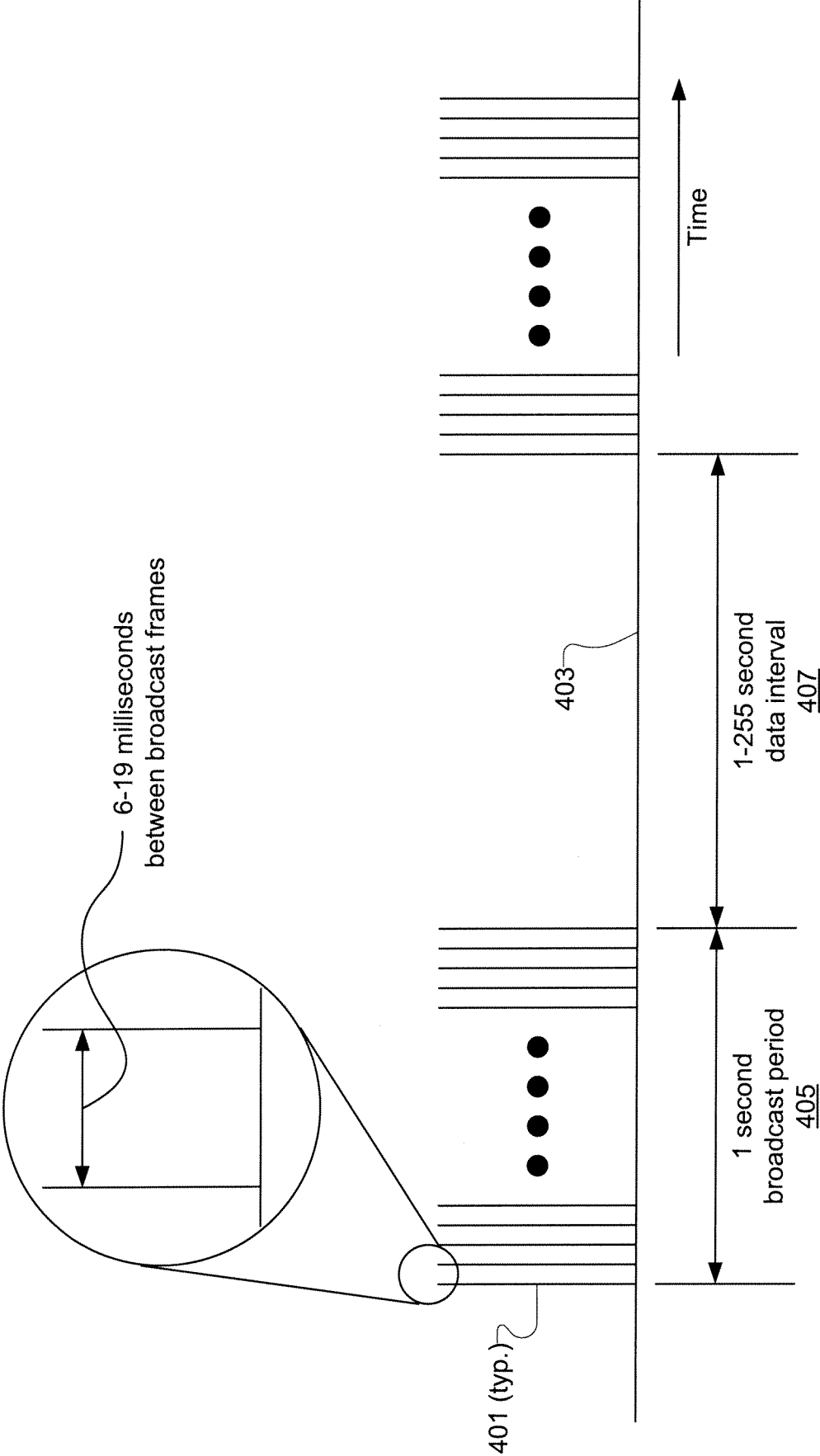


Fig. 2B

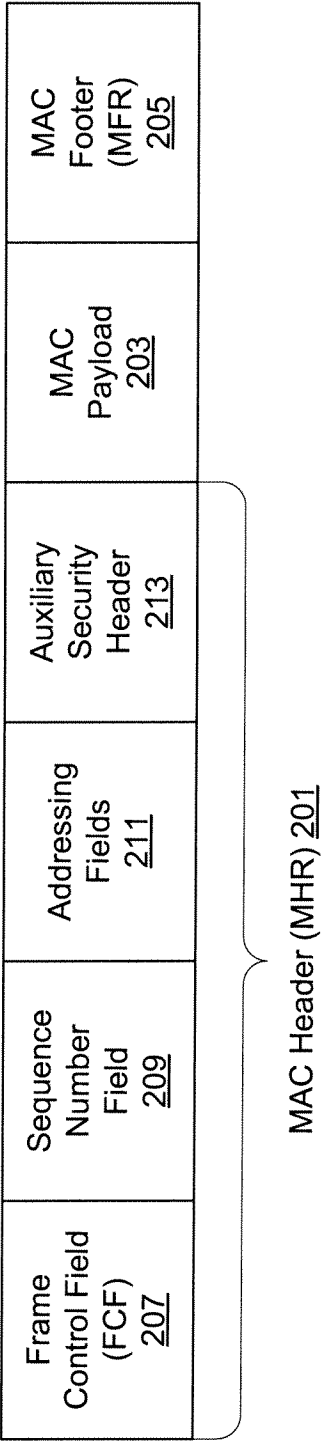


Fig. 3A

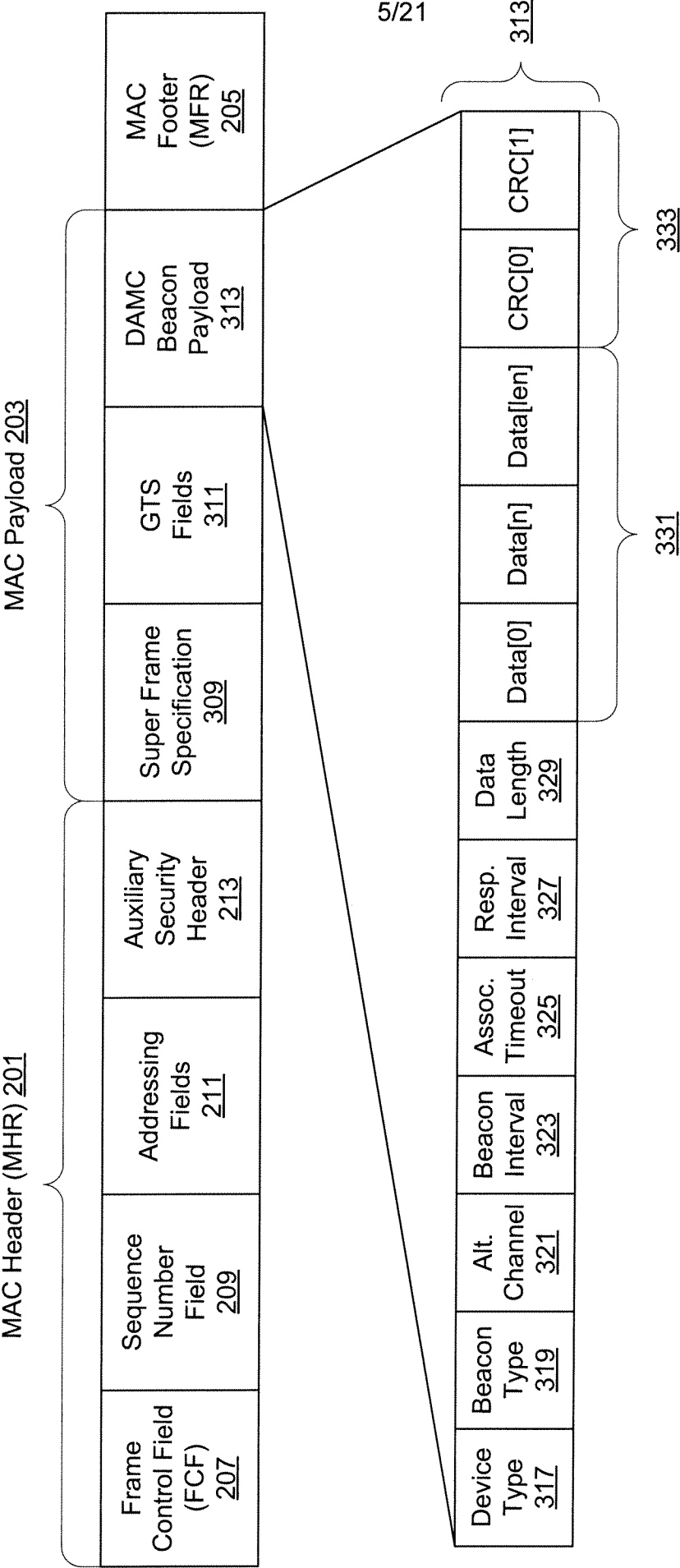


Fig. 3B

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Device Type Data Value	Device Type
0x00	Unspecified
0x10	Fixed Reader
0x40	Mobile Reader
0x50	Handheld
0x60	Tag (Mesh Network)
0x80-0xFF	Reserved
All others	Reserved for Future Use

Fig. 3C

MSB Setting	Meaning
0x00	No Beacon Payload Data
0x80	Bit indicates other 7 bits interpreted as bitmask
All others	Reserved

Fig. 3D

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Bitmask Value	Data Field Includes
0x01	Device Date and Time (7 bytes) MM/DD/YY Wd HH:MM:SS (GMT) - MM: month 1-12 - DD: day 1-31 -YY: year 0-99 -Wd: Weekday 0-6 -HH: hour 0-23 -MM: minute 0-59 -SS: second 0-59 Example: 9/4/9 5 12:30:20
0x02	Device Identification (20 bytes) - User Definable (Pad with spaces) Example: "APL US LA East Gate"
0x04	Device Location (12 bytes) Latitude (deg), Longitude (deg), Altitude (meters) - Single precision IEEE floating point Example: 37.55-121.5 1000.0
0x08	Device Velocity (12 bytes) - Single precision IEEE floating point - Velocity North (meters/second) - Velocity East (meters/second) - Velocity Down (meters/second)
0x10	Device Differential GPS Correction - Differential GPS correction relative to a reader - RTCM 104 DGPS data for differential GPS correction
All others	Reserved for future use

Fig. 3E

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Device Type <u>317</u>	Beacon Type <u>319</u>	Alt. Channel <u>321</u>	Beacon Interval <u>323</u>	Assoc. Timeout <u>325</u>	Resp. Interval <u>327</u>	Data Length <u>329</u>	Time Fields (7 bytes)	Identification (20 bytes)	CRC (2 bytes) <u>333</u>
0x10	0x83	X	X	X	X	29	MM/DD/YY Wd HH:MM:SS	"APL LA" (14 bytes zero pad)	<n,n>

Fig. 3F

X: not relevant to example

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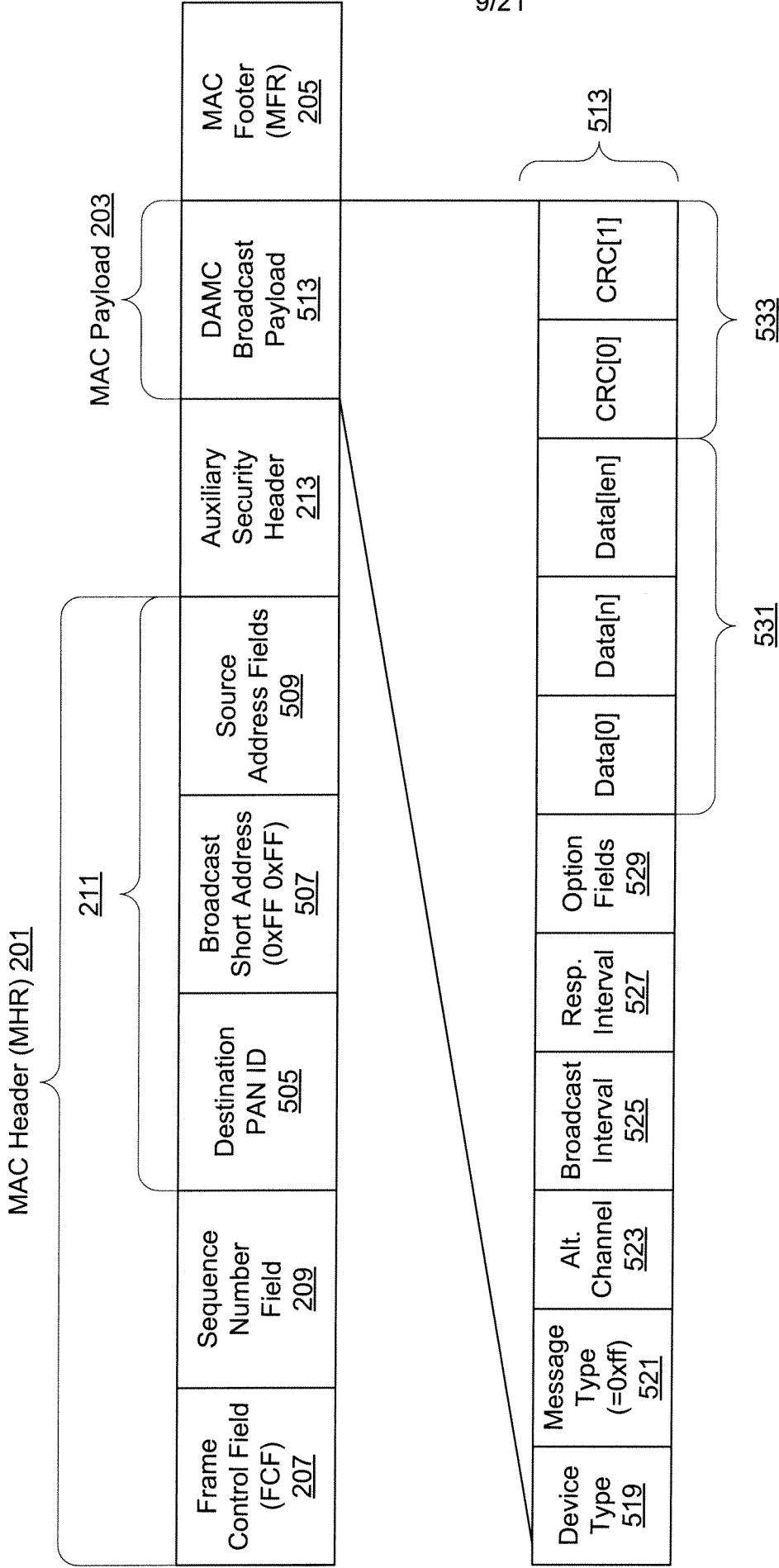


Fig. 4A

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Message Type Data Value	Message Type
0x00	Command (Directive)
0x01	Data (status, tracking, stored data, etc.)
0x02	ACK Status (or NAK)
0x03-0x7F	Reserved
0x80-0xFE	Reserved
0xFF	Broadcast Network Discovery

Fig. 4B

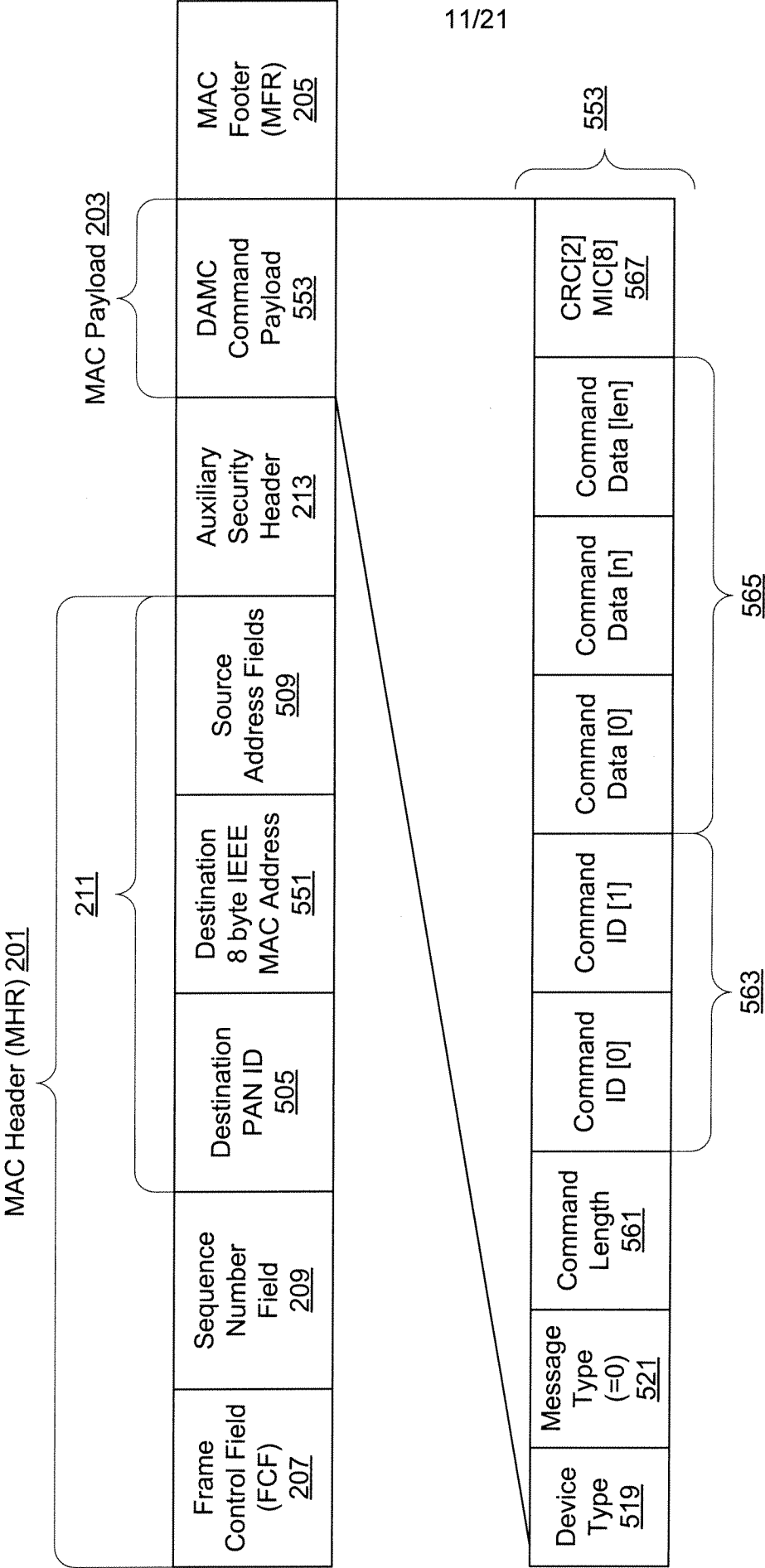


Fig. 5

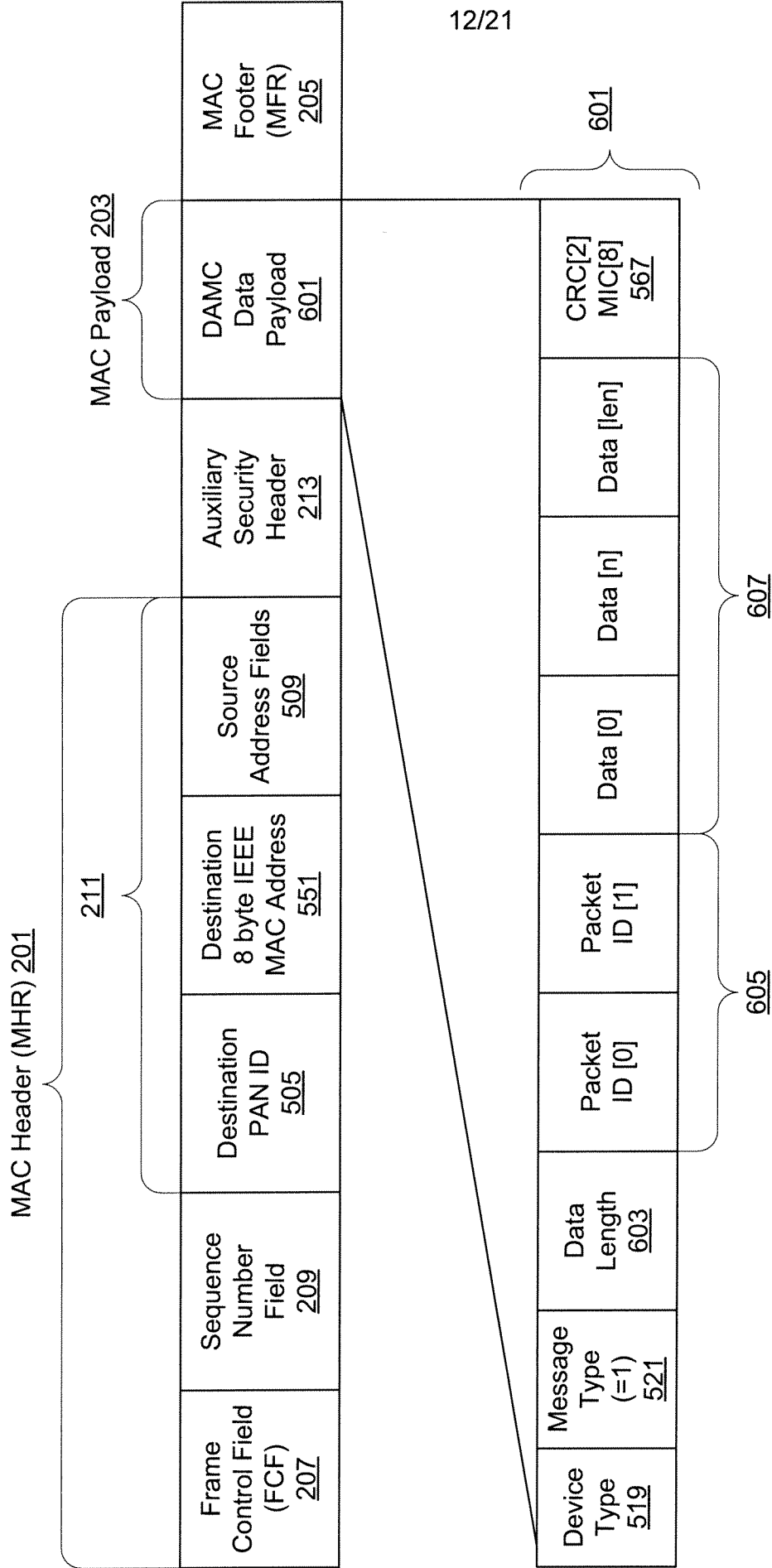


Fig. 6

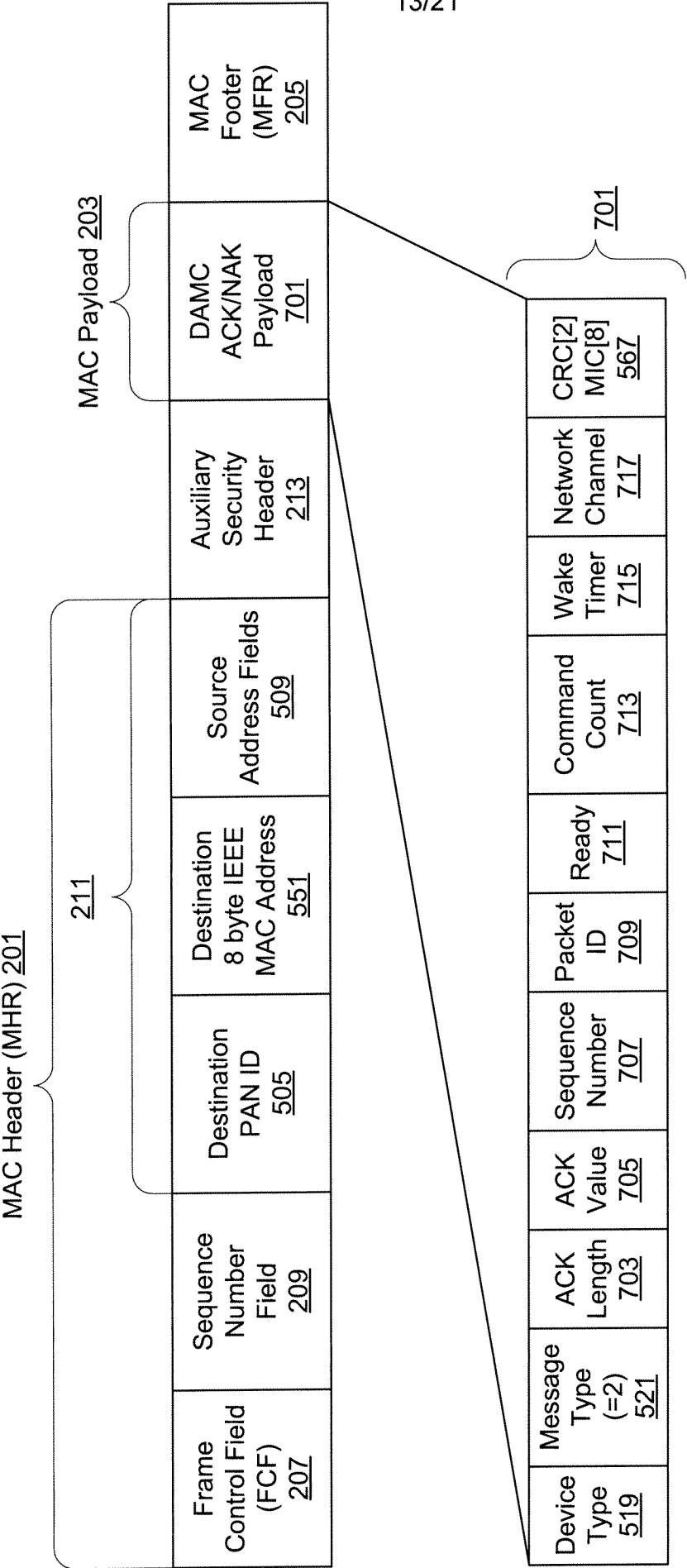
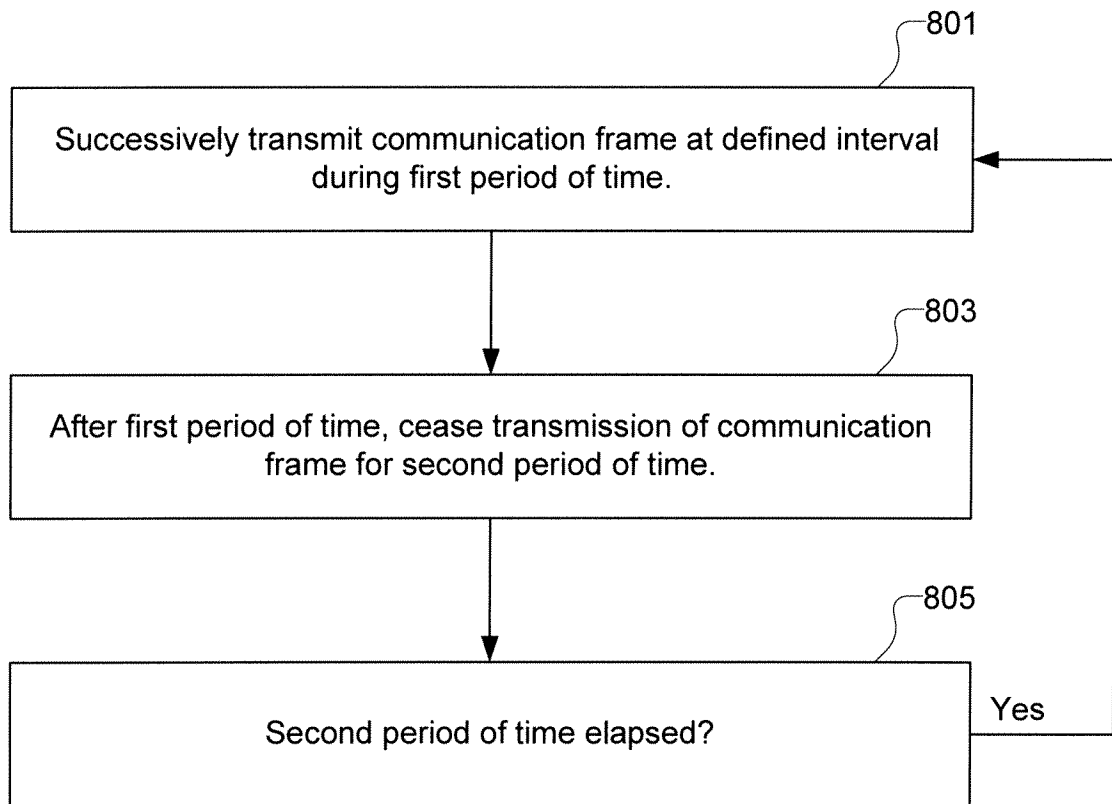


Fig. 7

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**Fig. 8**

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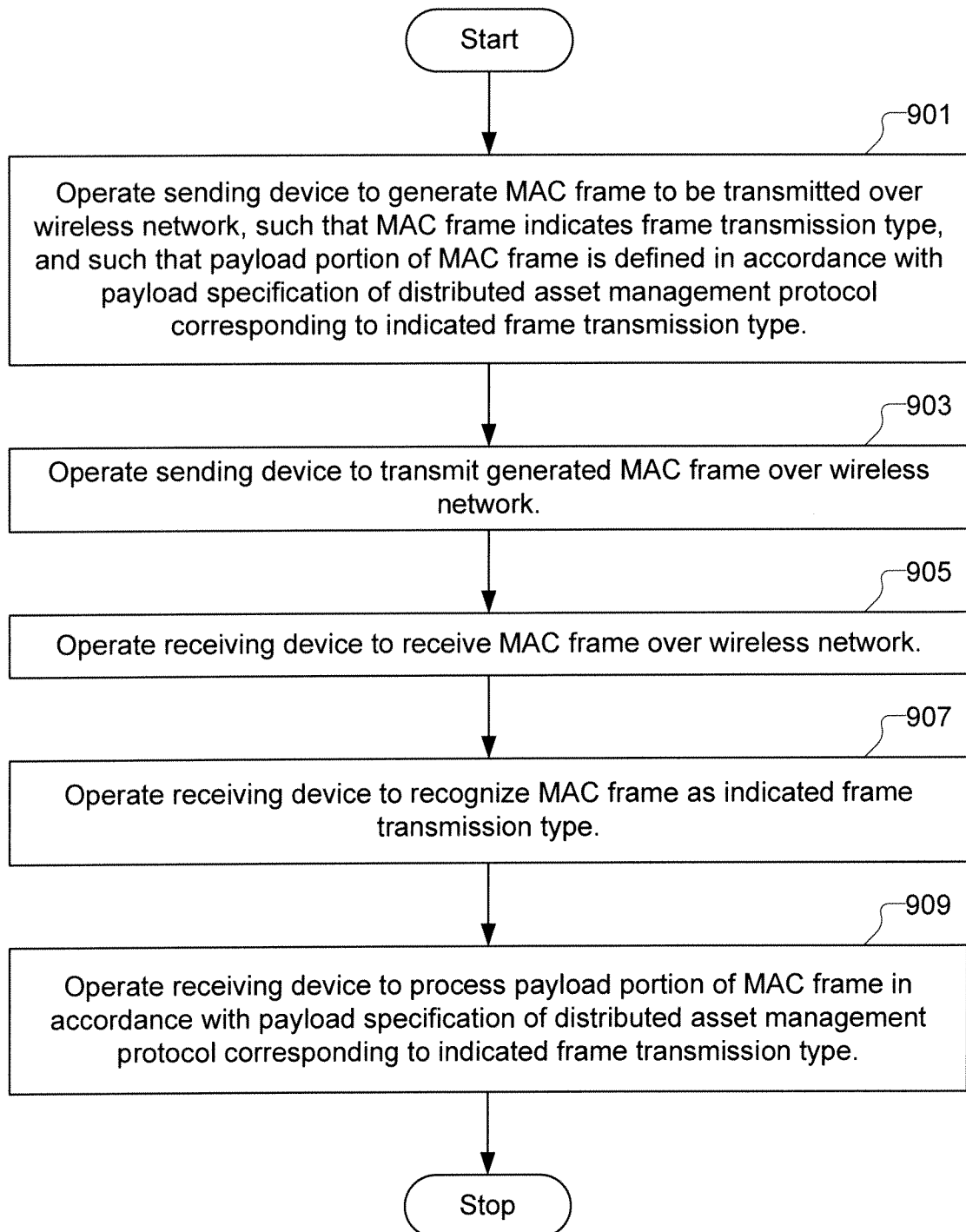


Fig. 9

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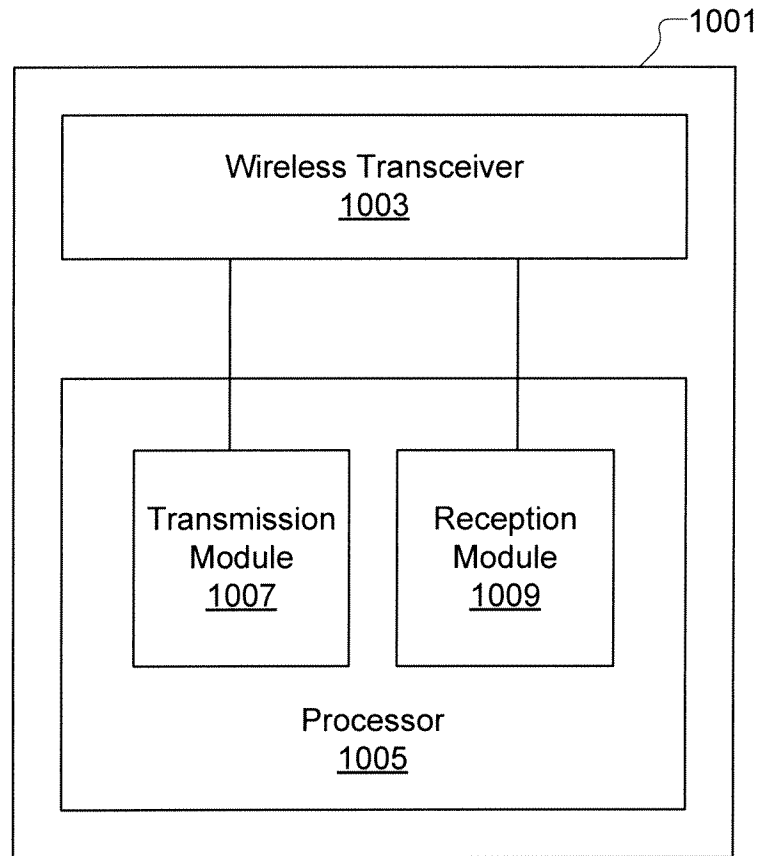


Fig. 10

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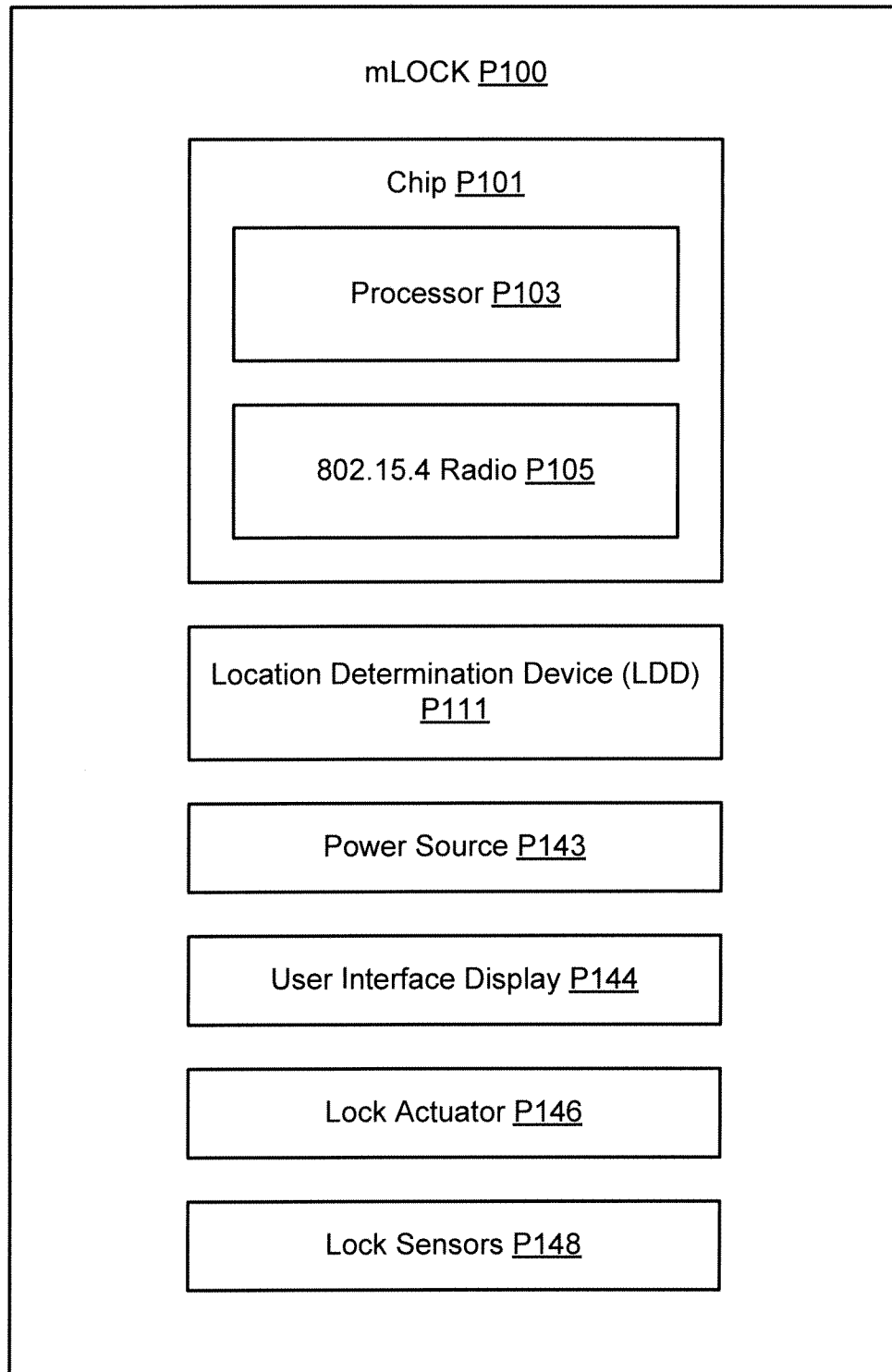


Fig. 11

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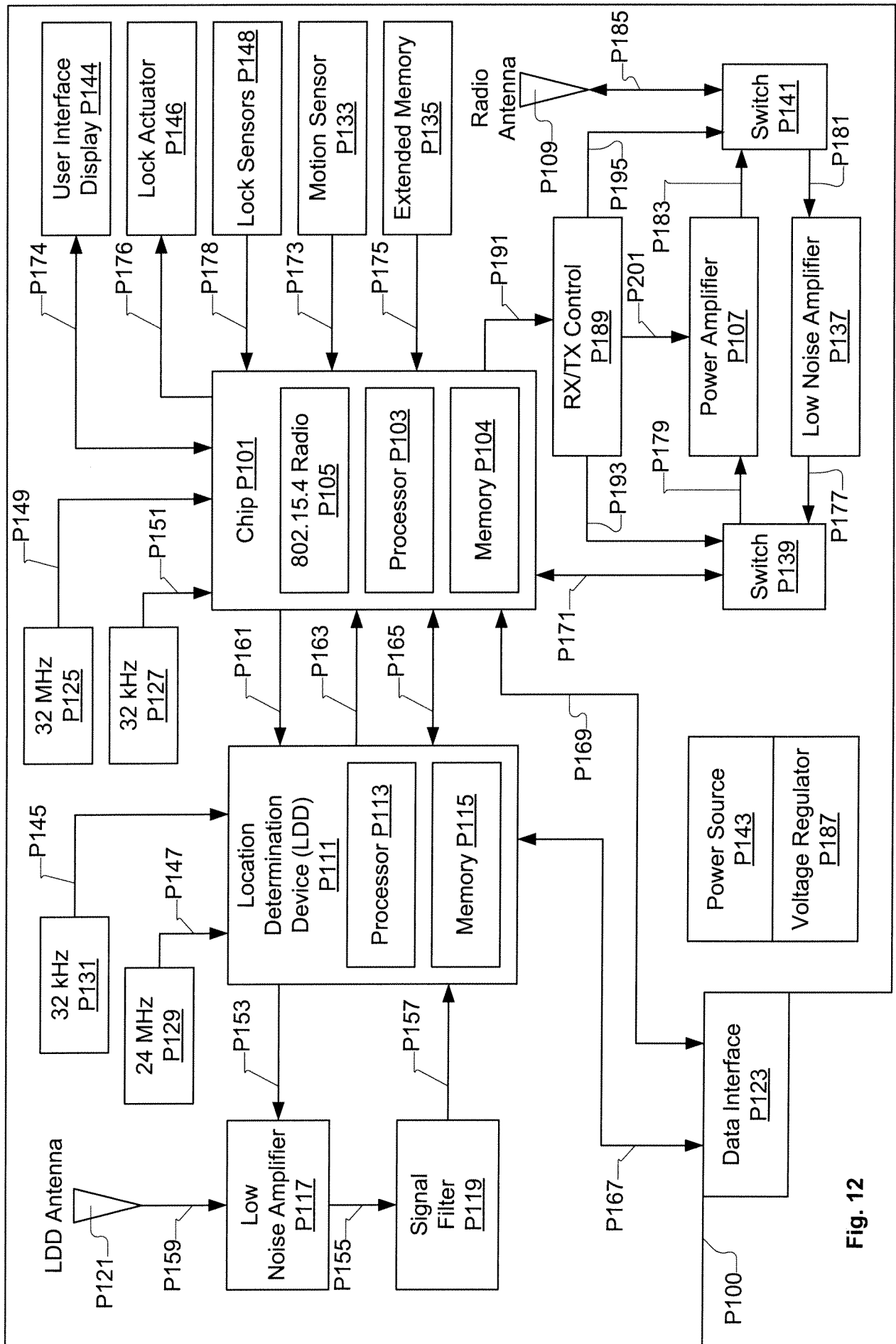


Fig. 12

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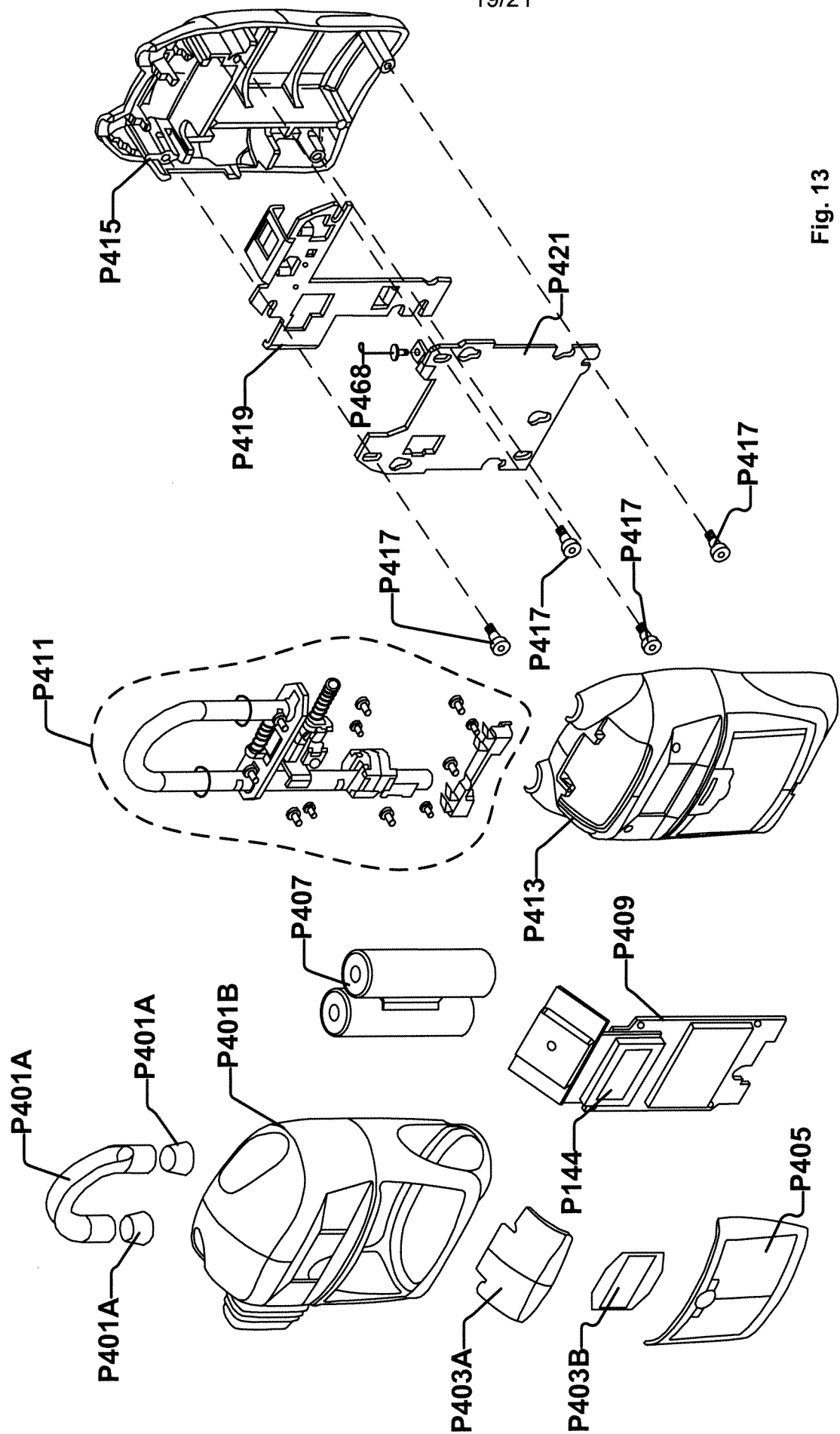


Fig. 13

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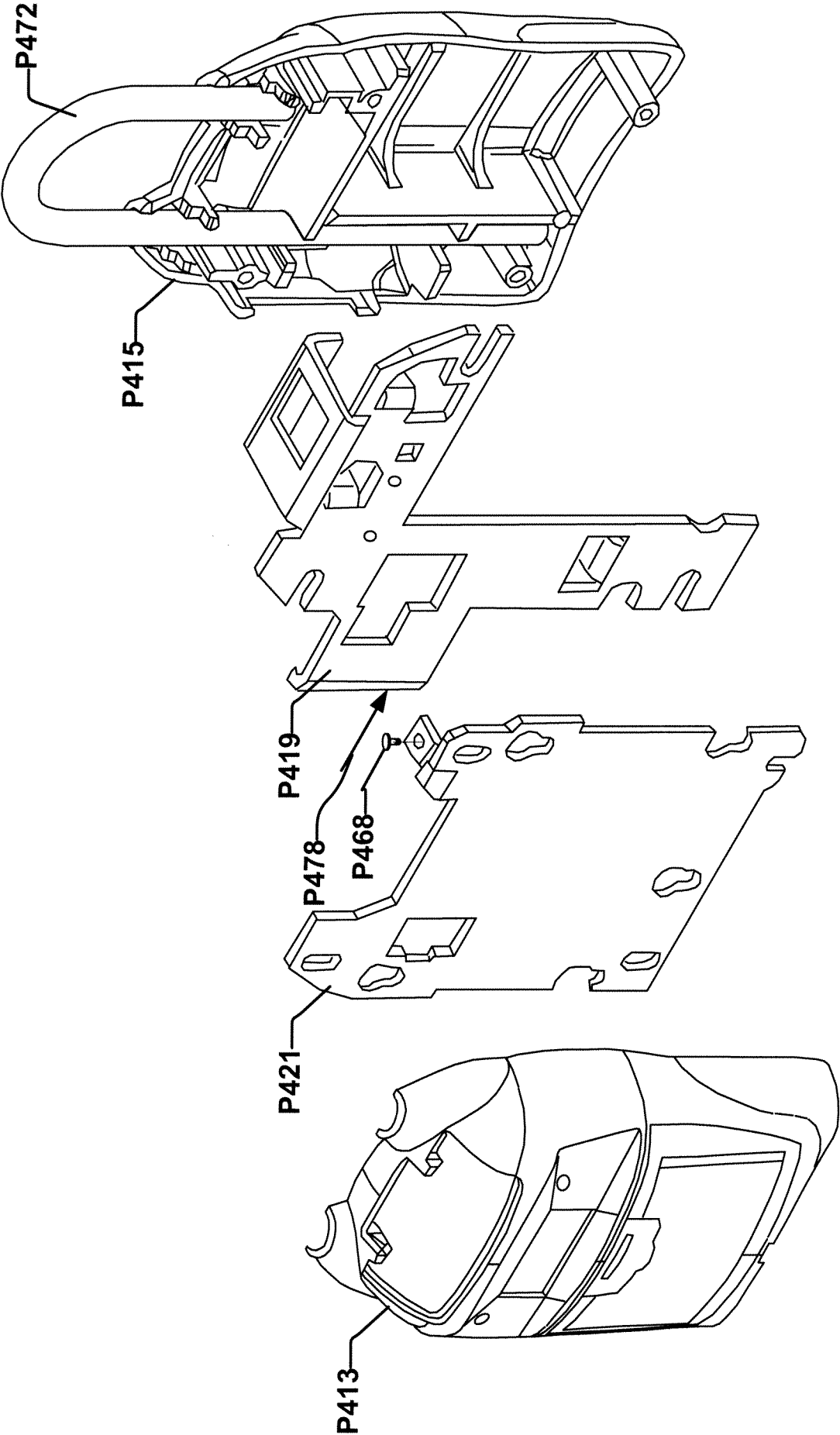


Fig. 14

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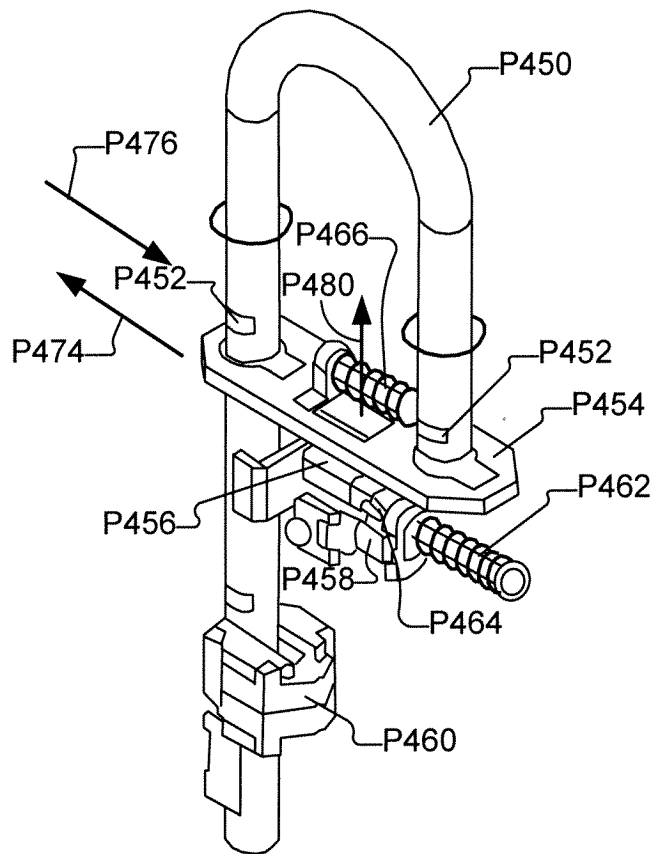


Fig. 15