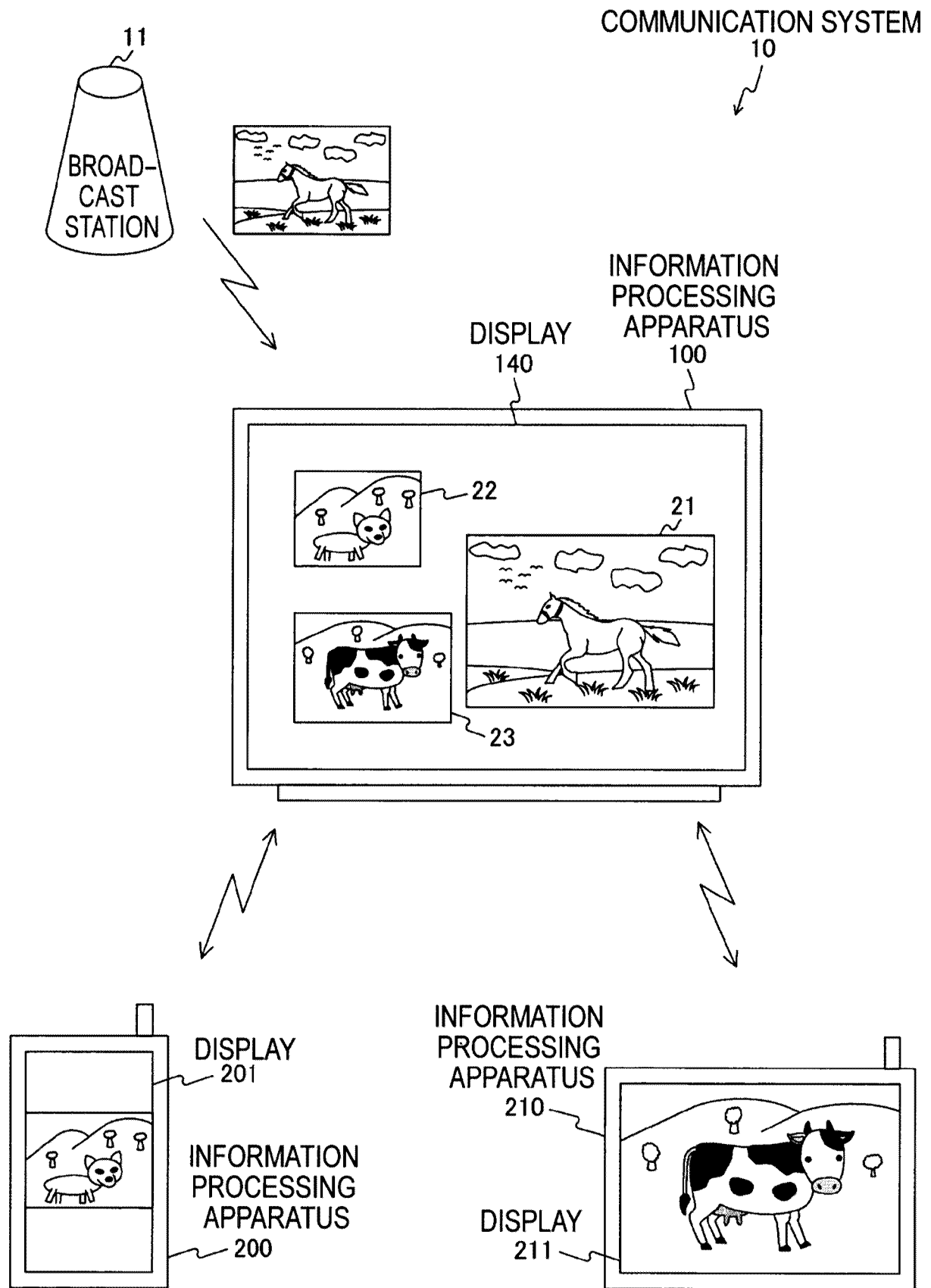
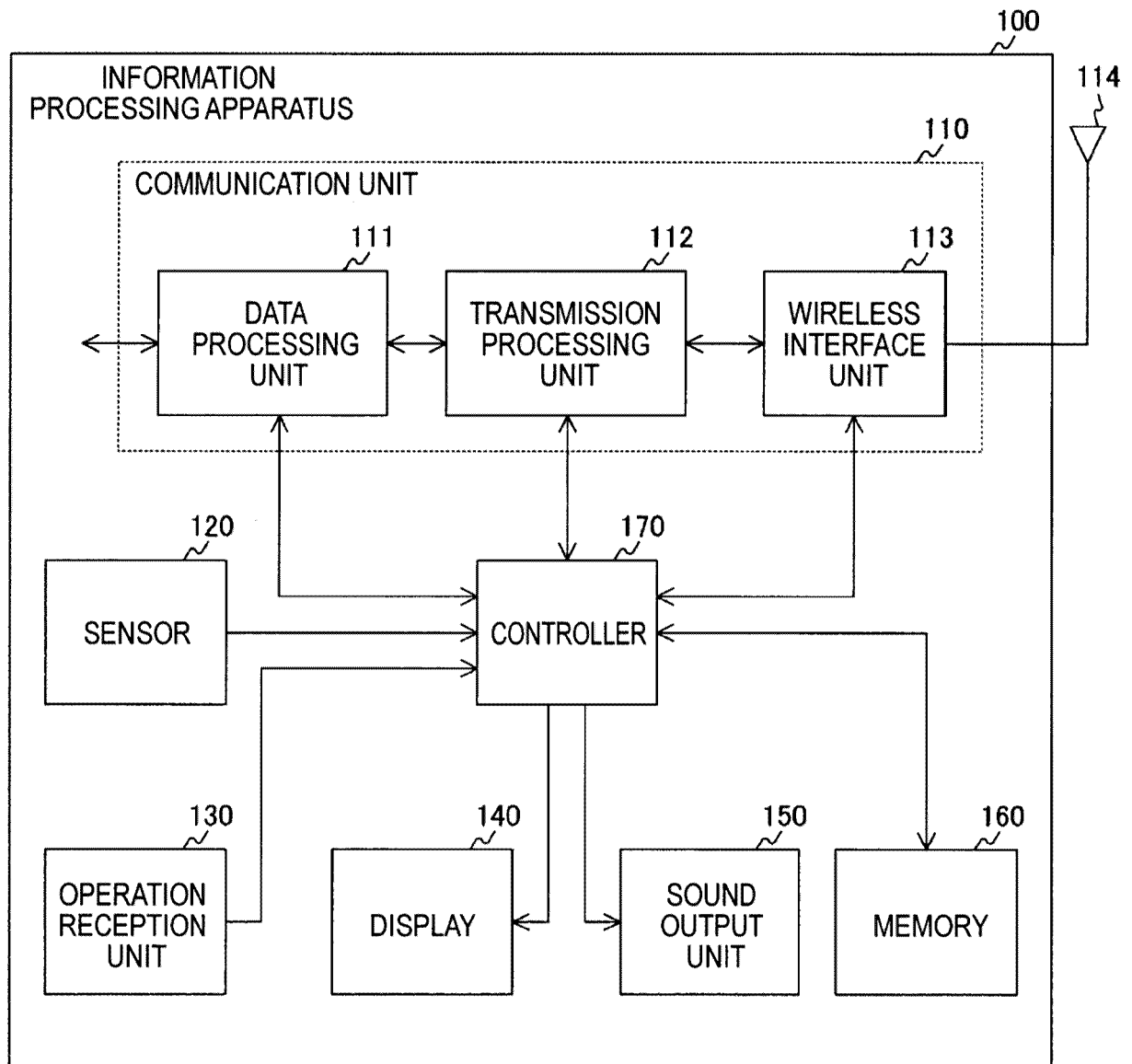


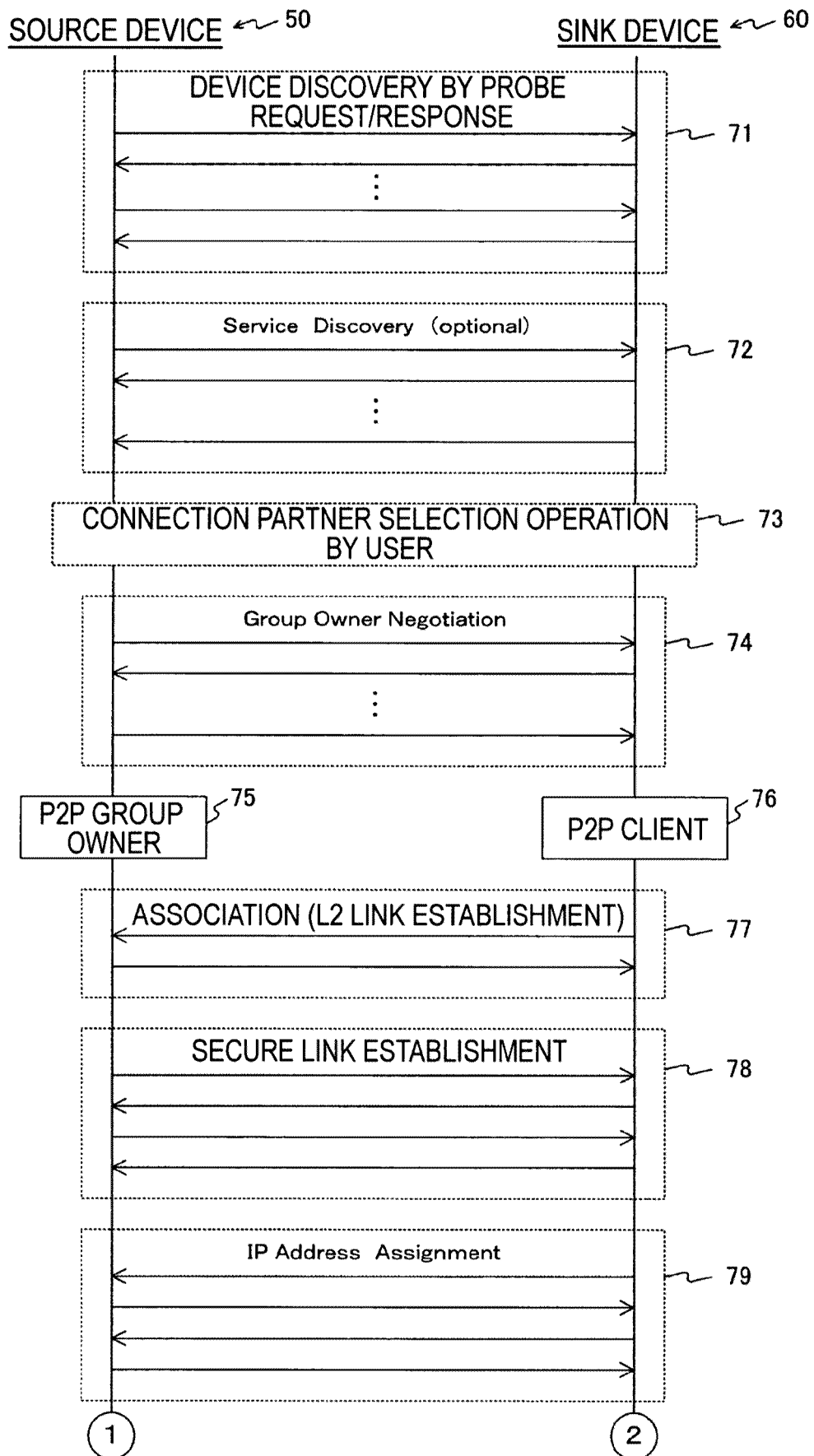
[Fig. 1]



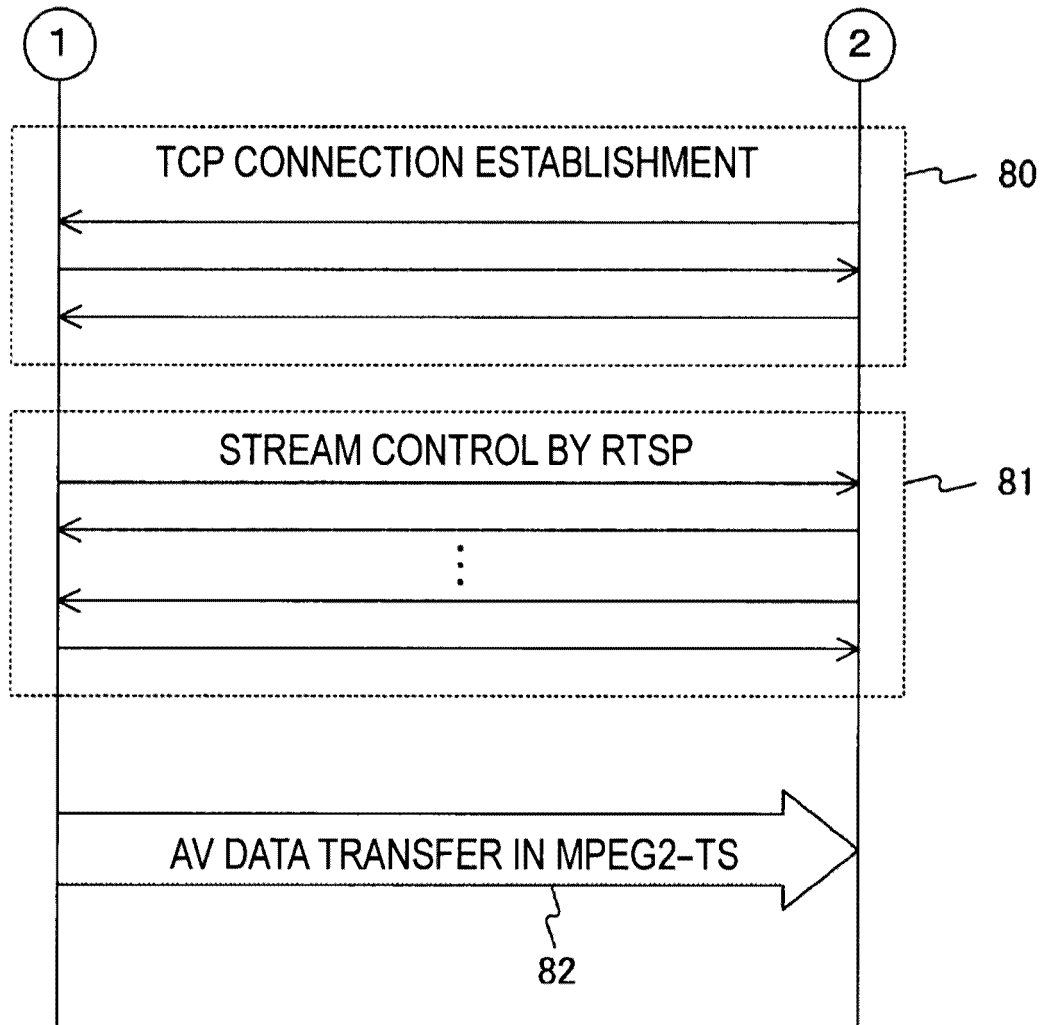
[Fig. 2]



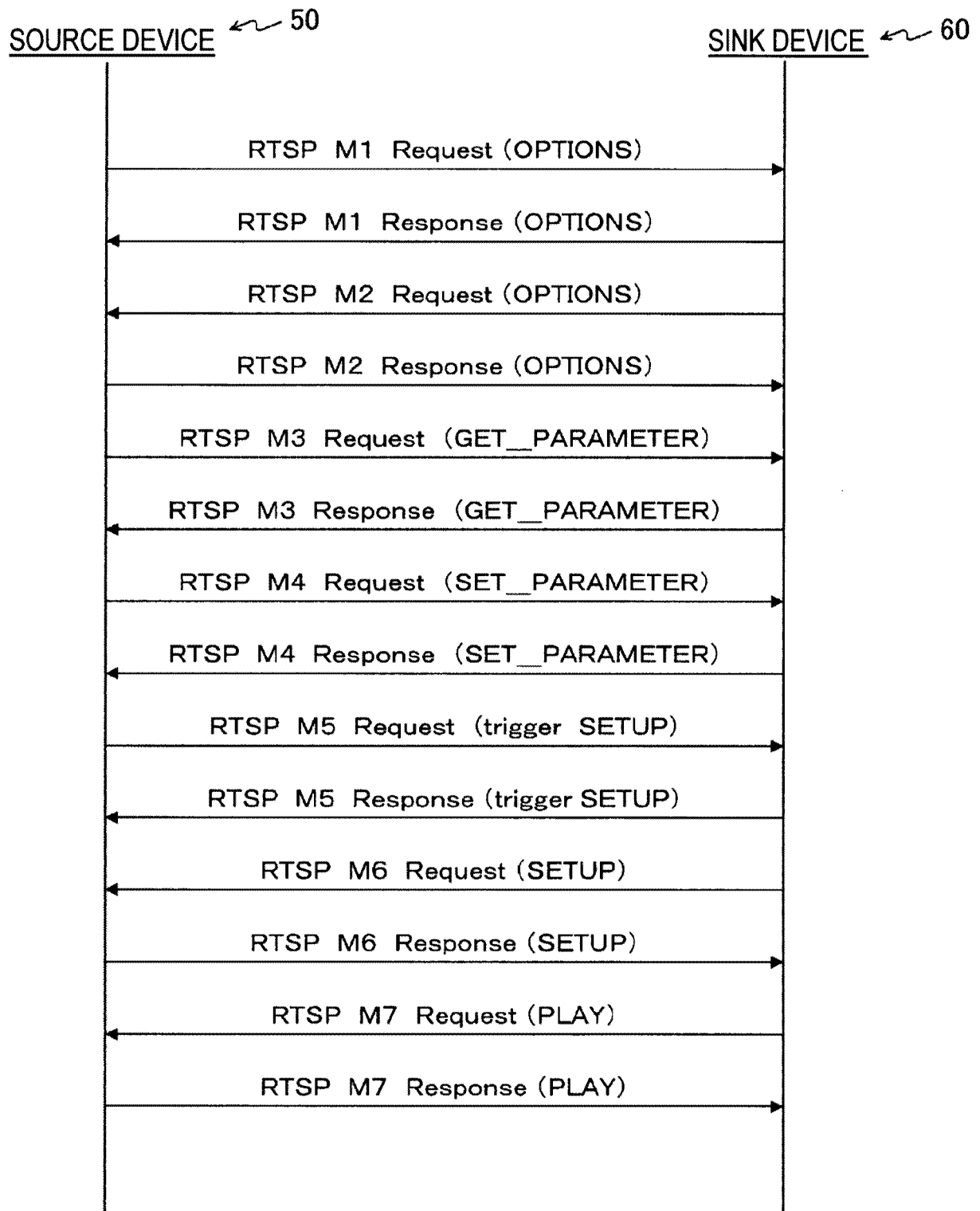
[Fig. 3]



[Fig. 4]



[Fig. 5]



Message ID	req/res (direction)	RTSP message
M1	request (src→snk)	OPTIONS*RTSP/1.0 CSeq: i Require: org.wfa.wfd1.0
	response (snk→src)	RTSP/1.0 200 OK CSeq: i Date: Sun, Aug 21 2011 04:20:53 GMT Public: org.wfa.wfd1.0, GET_PARAMETER, SET_PARAMETER
M2	request (snk→src)	OPTIONS*RTSP/1.0 CSeq: j Require: org.wfa.wfd1.0
	response (src→snk)	RTSP/1.0 200 OK CSeq: j Date: Sun, Aug 21 2011 04:20:53 GMT Public: org.wfa.wfd1.0, SETUP, TEARDOWN, PLAY, PAUSE, GET_PARAMETER, SET_PARAMETER
M3	request (src→snk)	GET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+1 Content-Type: text/parameters Content-Length: 141 wfd_video_formats wfd_audio_codecs wfd_3d_video_formats wfd_content_protection wfd_display_edid wfd_coupled_sink wfd_client_rtp_ports
	response (snk→src)	RTSP/1.0 200 OK CSeq: i+1 Content-Length: 290 Content-Type: text/parameters wfd_video_formats: 00 00 01 01 00000001 00000000 00000000 00 0000 0000 00 none none wfd_audio_codecs: LPCM 00000003 00 wfd_3d_video_formats: none wfd_content_protection: none wfd_display_edid: none wfd_coupled_sink: none wfd_client_rtp_ports: RTP/AVP/UDP;unicast 1028 0 mode=play

Message ID	req/res (direction)	RTSP message
M4	request (src→snk)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+2 Content-Type: text/parameters Content-Length: 302 wfd_video_formats: 00 00 01 01 00000001 00000000 00000000 00 0000 0000 00 none none wfd_audio_codecs: LPCM 00000002 00 wfd_presentation_URL: rtsp://10.82.24.140/wfd1.0/streamid=0 none wfd_client_rtp_ports: RTP/AVP/UDP;unicast 1028 0 mode=play
	response (snk→src)	RTSP/1.0 200 OK CSeq: i+2
M5	request (src→snk)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+3 Content-Type: text/parameters Content-Length: 27 wfd_trigger_method: SETUP
	response (snk→src)	RTSP/1.0 200 OK CSeq: i+3
M6	request (snk→src)	SETUP rtsp://10.82.24.140/wfd1.0/streamid=0 RTSP/1.0 CSeq: j+1 Transport: RTP/AVP/UDP;unicast;client_port=1028
	response (src→snk)	RTSP/1.0 200 OK CSeq: j+1 Session: 6B8B4567;timeout=30 Transport: RTP/AVP/UDP;unicast;client_port=1028;server_port=5000
M7	request (snk→src)	PLAY rtsp://10.82.24.140/wfd1.0/streamid=0 RTSP/1.0 CSeq: j+2 Session: 6B8B4567
	response (src→snk)	RTSP/1.0 200 OK Date: Sun, Aug 21 2011 04:20:53 GMT CSeq: j+2

[Fig. 8]

wfd-audio-stream-control = "wfd_audio_stream_control:" SP stream-control CRLF
stream-control = "none" / control-bitmap; "none" if not supported
control-bitmap = 1*1HEXIDG; see table below, only one bit set at M110.

BIT POSITION	NAME	MEANING
B3	(re-) include audio	AUDIO DATA IS TO BE (RE)INCLUDED
B2	reduce audio	AUDIO DATA IS TO BE REDUCED
B1:B0	reserved	RESERVATION, SET TO "0"

EXAMPLE OF RTSP M3 REQUEST AND RTSP M3 RESPONSE

Message ID	req/res (direction)	RTSP message
M3	request (src→snk)	GET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+1 Content-Type: text/parameters Content-Length: 165 → 401 wfd_video_formats wfd_audio_codecs wfd_3d_video_formats wfd_content_protection wfd_display_edid wfd_coupled_sink wfd_client_rtp_ports wfd_audio_stream_control → 402
	response (snk→src)	RTSP/1.0 200 OK CSeq: i+1 Content-Length: 317 → 403 Content-Type: text/parameters wfd_video_formats: 00 00 01 01 00000001 00000000 00000000 00 0000 0000 00 none none wfd_audio_codecs: LPCM 00000003 00 wfd_3d_video_formats: none wfd_content_protection: none wfd_display_edid: none wfd_coupled_sink: none wfd_client_rtp_ports: RTP/AVP/UDP;unicast 1028 0 mode=play wfd_audio_stream_control: C → 404

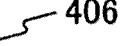
[Fig. 10]

EXAMPLE OF RTSP M110 REQUEST AND RTSP M110 RESPONSE

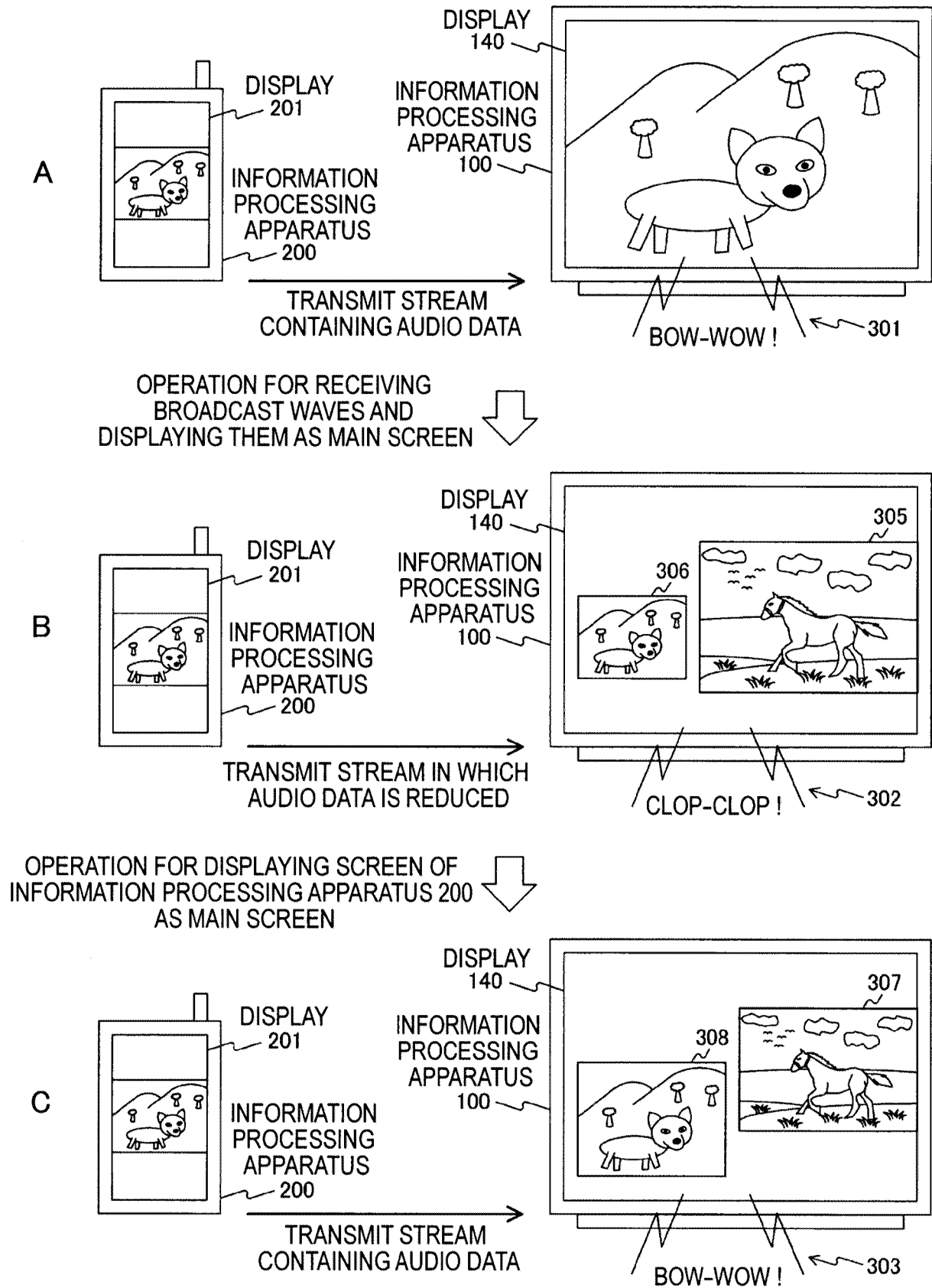
Message ID	req/res (direction)	RTSP message
M110	request (snk→src)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+3 Content-Type: text/parameters Content-Length: 29 wfd_audio_stream_control: 4  405
	response (src→snk)	RTSP/1.0 200 OK CSeq: i+3

[Fig. 11]

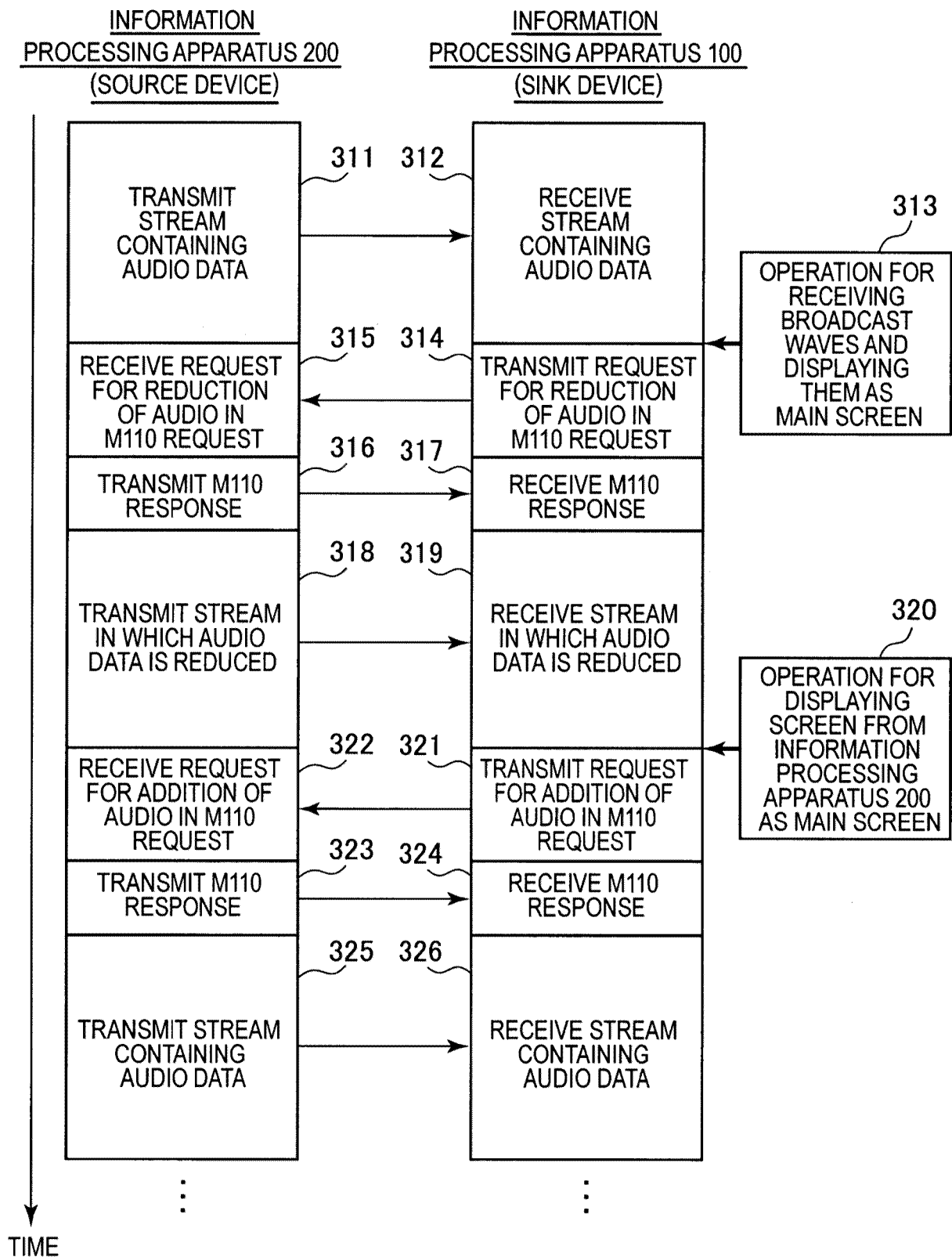
EXAMPLE OF RTSP M110 REQUEST AND RTSP M110 RESPONSE

Message ID	req/res (direction)	RTSP message
M110	request (snk→src)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+3 Content-Type: text/parameters Content-Length: 29 wfd_audio_stream_control: 8  406
	response (src→snk)	RTSP/1.0 200 OK CSeq: i+3

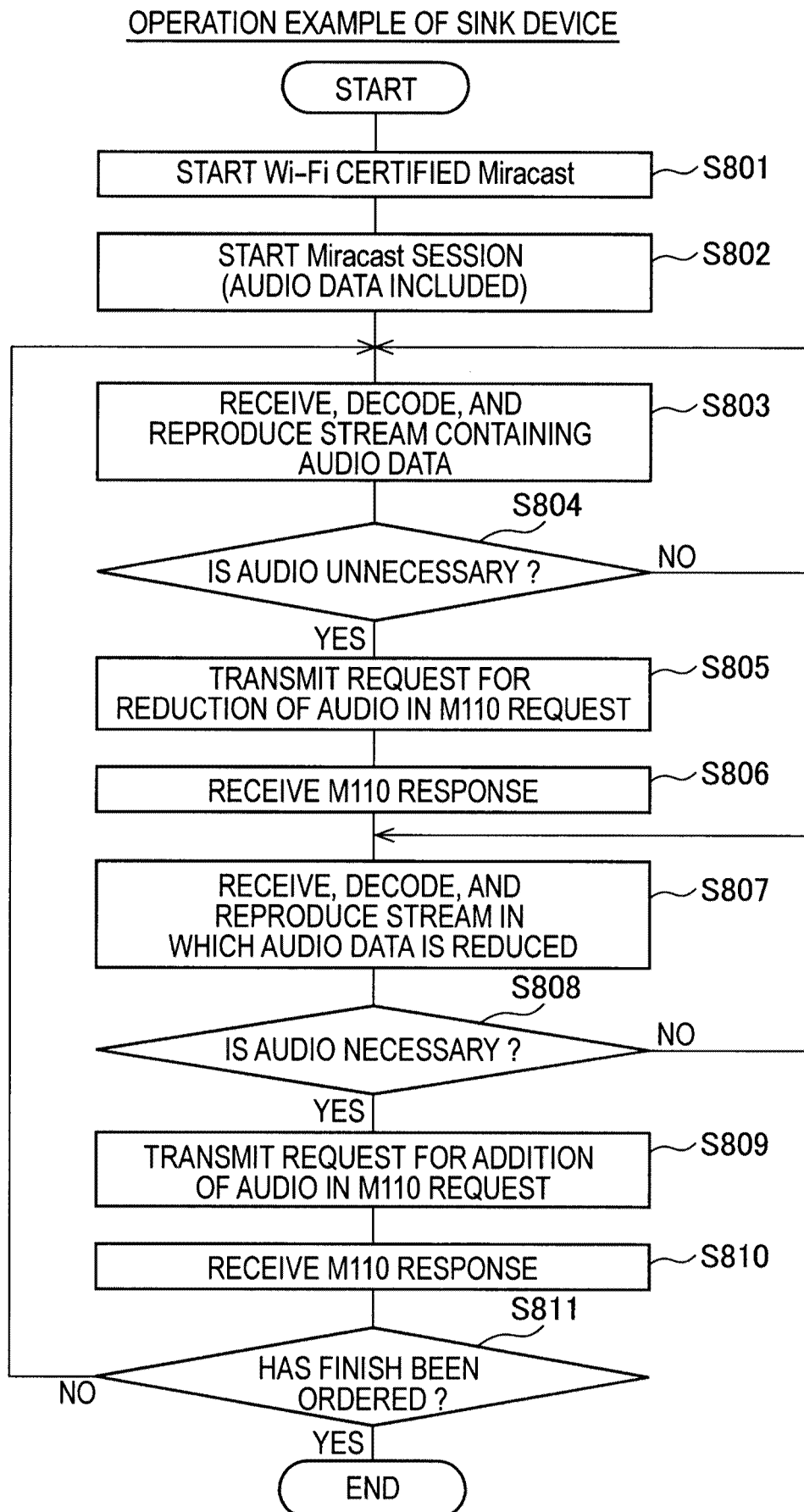
[Fig. 12]



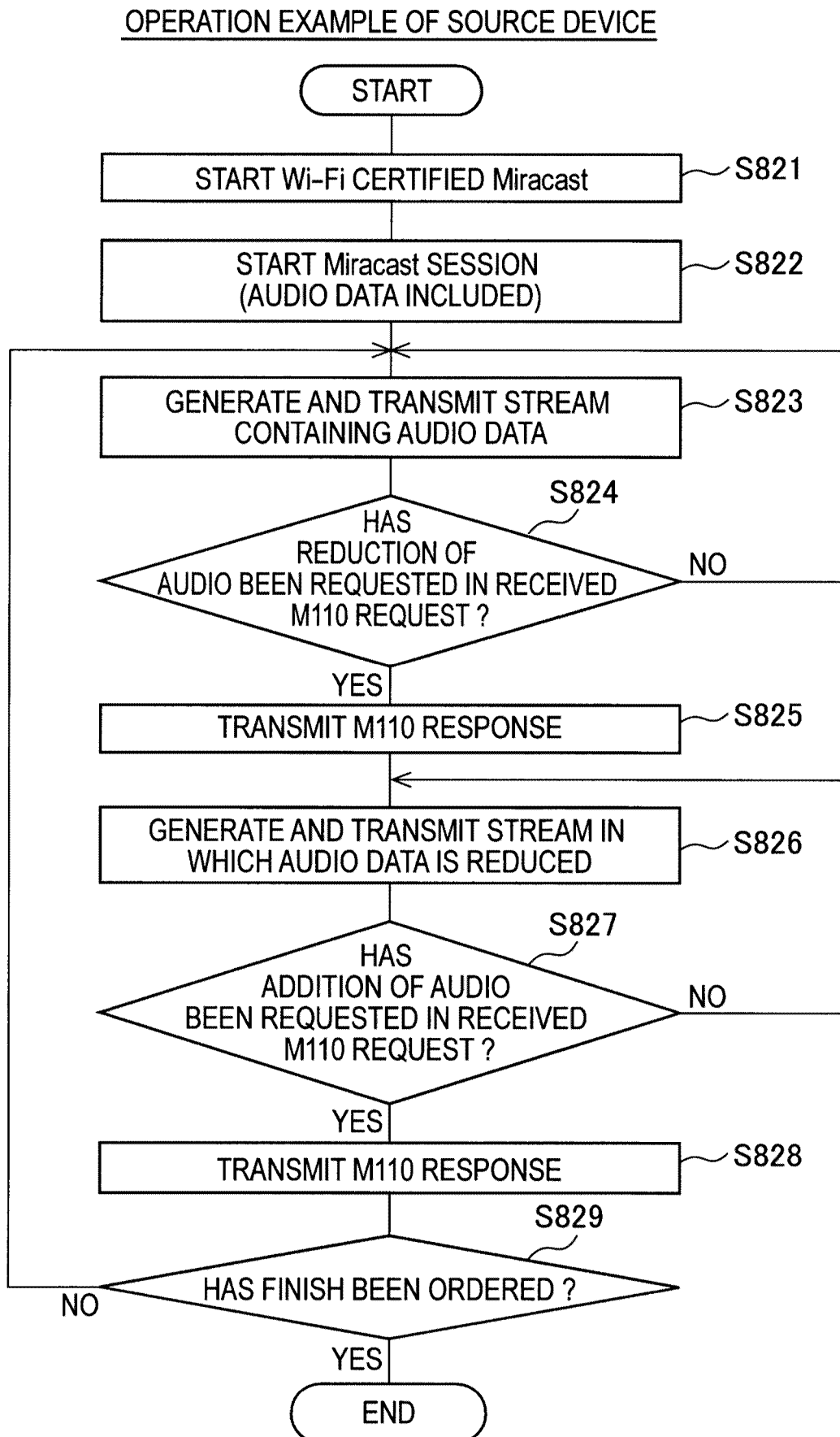
[Fig. 13]



[Fig. 14]



[Fig. 15]



[Fig. 16]

BIT POSITION	NAME	MEANING
B3	(re—) include audio	AUDIO DATA IS TO BE (RE)INCLUDED
B2	reduce audio	AUDIO DATA IS TO BE REDUCED
B1	Reduce audio with alternate method	AUDIO DATA IS TO BE REDUCED BY ANOTHER METHOD
B0	Initial audio—off	SPECIFY REDUCTION OF AUDIO DATA AT START OF STREAMING

EXAMPLE OF RTSP M3 REQUEST AND RTSP M3 RESPONSE

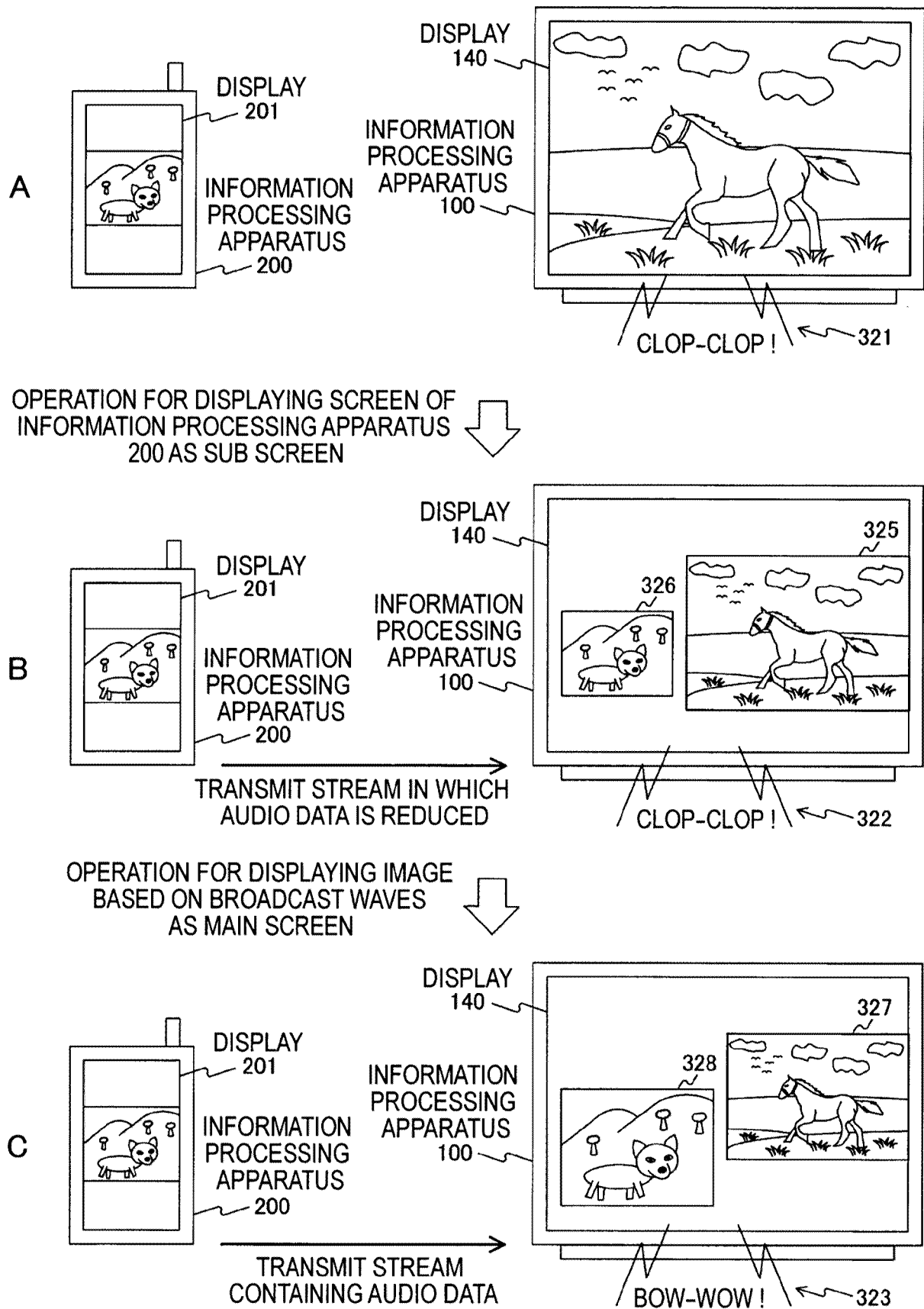
Message ID	req/res (direction)	RTSP message
M3	request (src→snk)	<pre> GET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+1 Content-Type: text/parameters Content-Length: 165 wfd_video_formats wfd_audio_codecs wfd_3d_video_formats wfd_content_protection wfd_display_edid wfd_coupled_sink wfd_client_rtp_ports wfd_audio_stream_control </pre> 411 412
	response (snk→src)	<pre> RTSP/1.0 200 OK CSeq: i+1 Content-Length: 317 Content-Type: text/parameters wfd_video_formats: 00 00 01 01 00000001 00000000 00000000 00 0000 0000 00 none none wfd_audio_codecs: LPCM 00000003 00 wfd_3d_video_formats: none wfd_content_protection: none wfd_display_edid: none wfd_coupled_sink: none wfd_client_rtp_ports: RTP/AVP/UDP;unicast 1028 0 mode=play wfd_audio_stream_control: F </pre> 413 414

[Fig. 18]

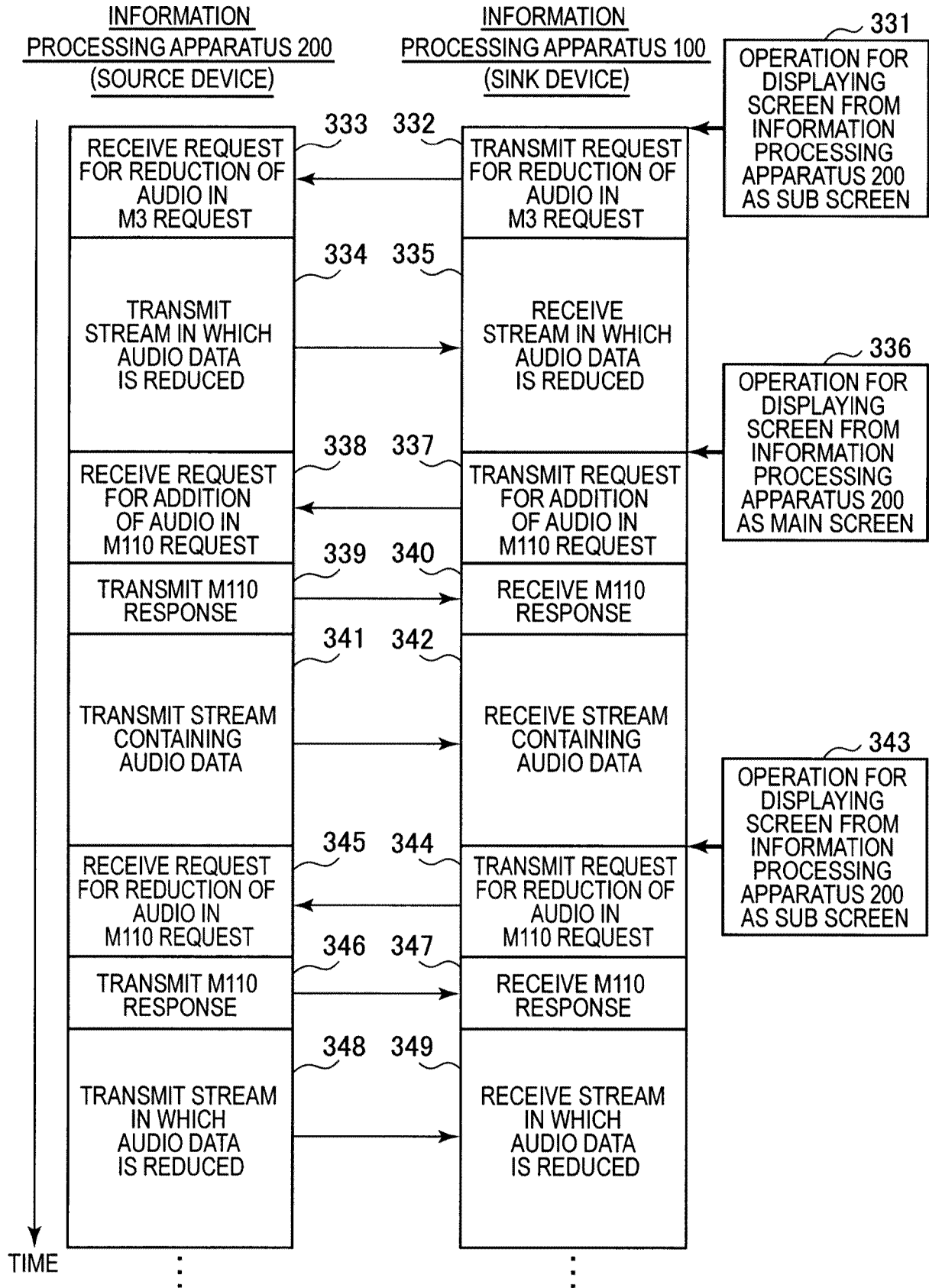
EXAMPLE OF RTSP M110 REQUEST AND RTSP M110 RESPONSE

Message ID	req/res (direction)	RTSP message
M110	request (snk→src)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+3 Content-Type: text/parameters Content-Length: 29 wfd_audio_stream_control: 2 415
	response (src→snk)	RTSP/1.0 200 OK CSeq: i+3

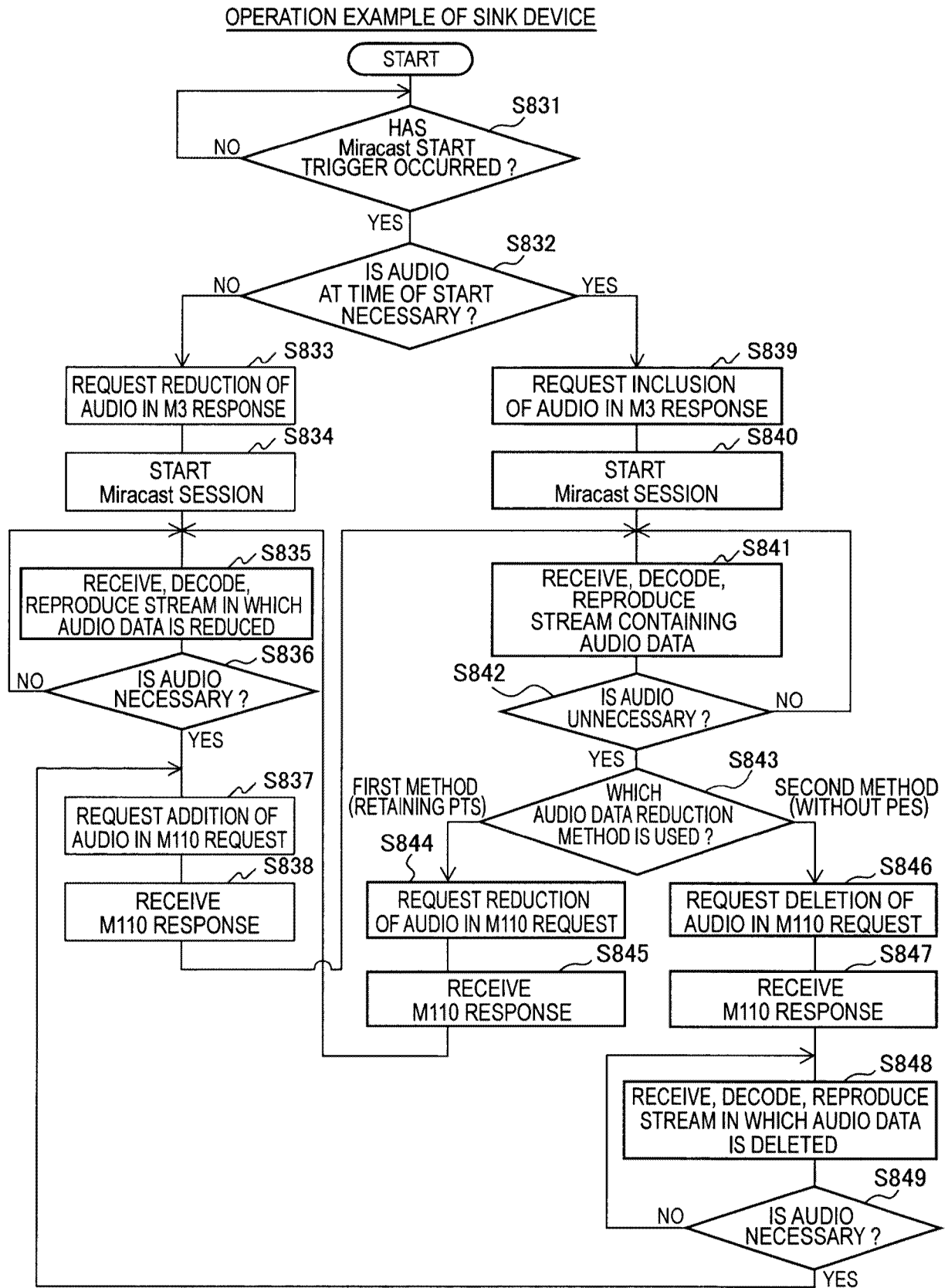
[Fig. 19]



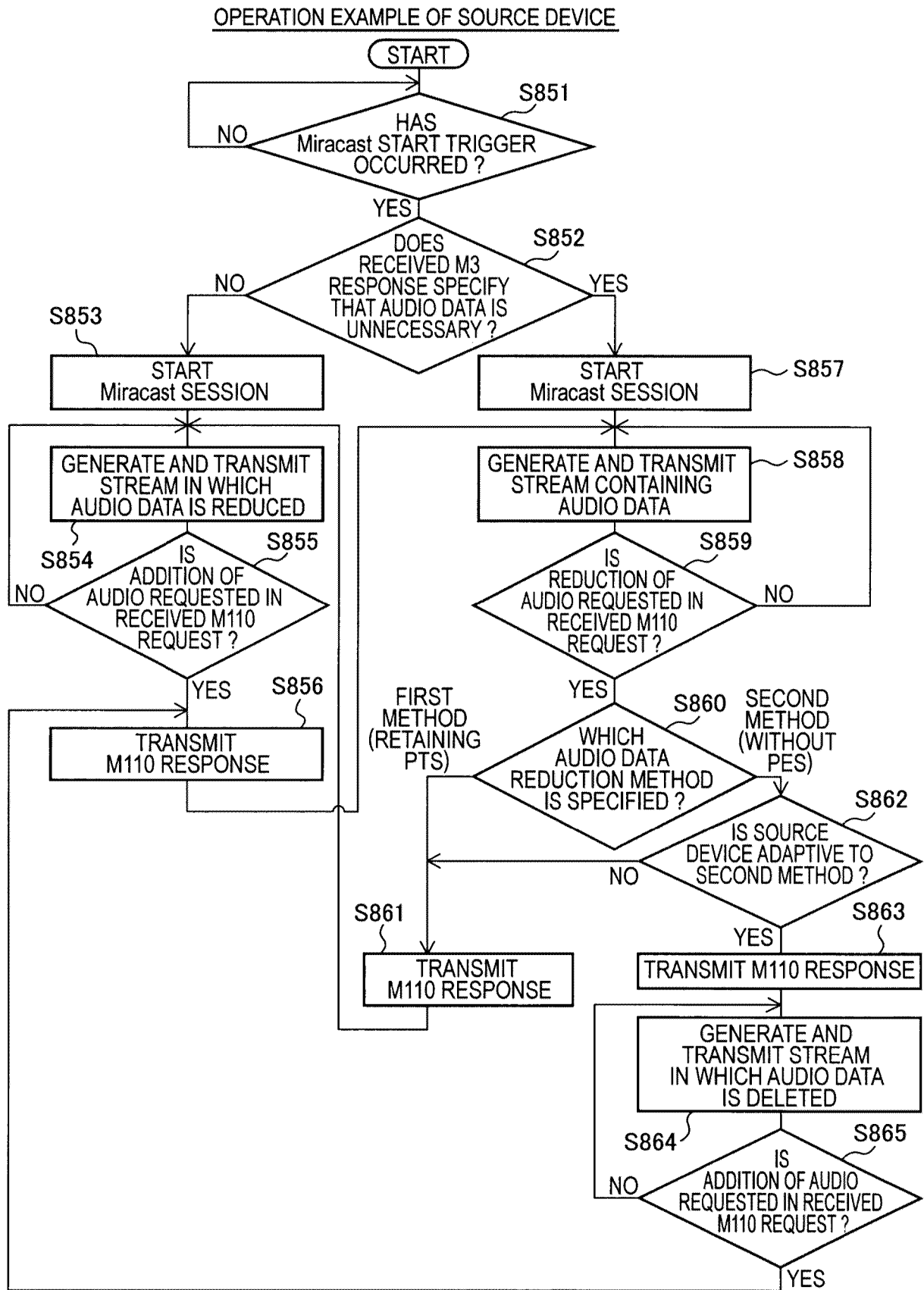
[Fig. 20]



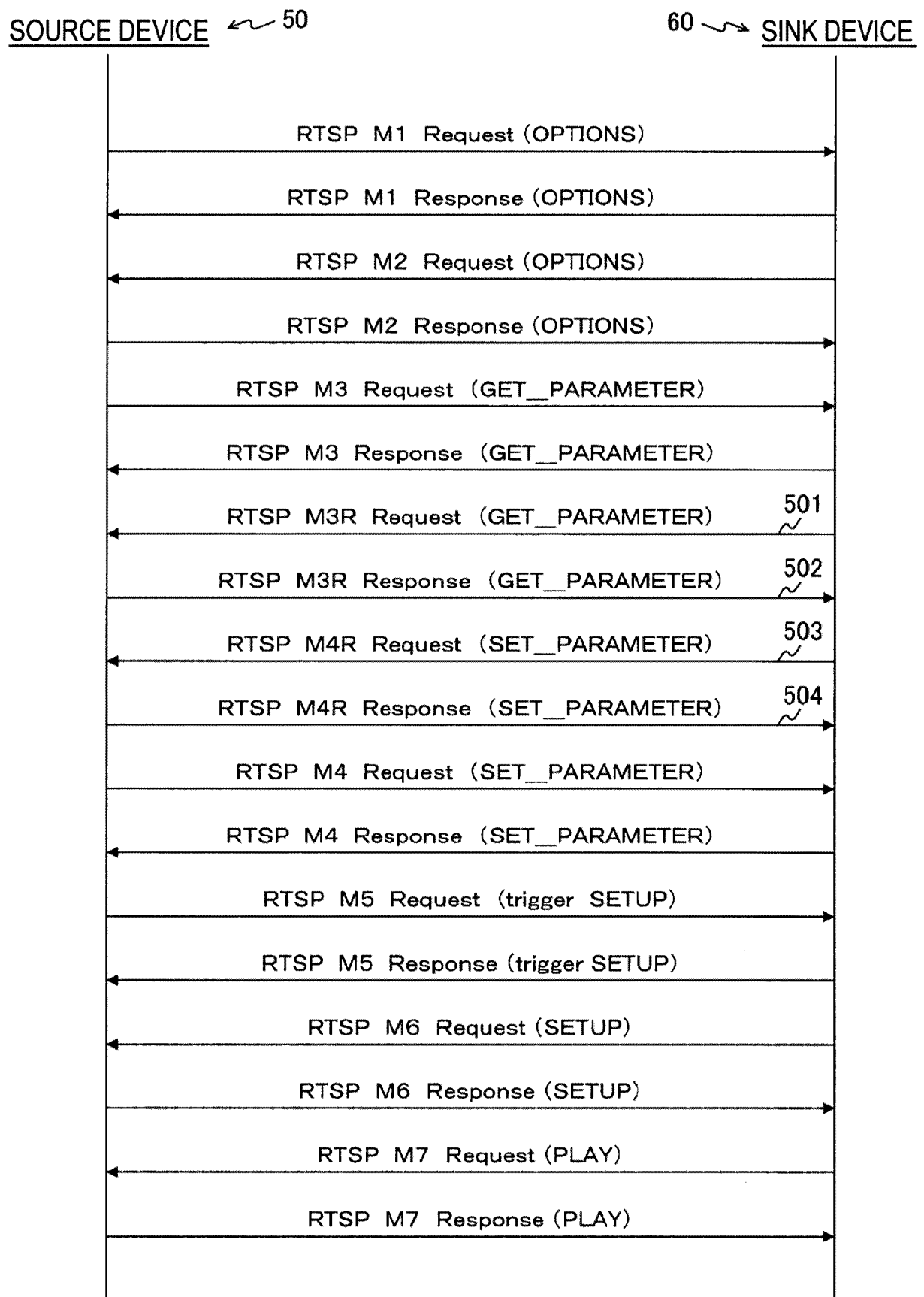
[Fig. 21]



[Fig. 22]



[Fig. 23]



[Fig. 24]

BIT POSITION	NAME	MEANING
B3	(re-) include audio	AUDIO DATA IS TO BE (RE)INCLUDED
B2	reduce audio	AUDIO DATA IS TO BE REDUCED
B1	Reduce audio with alternate method	AUDIO DATA IS TO BE REDUCED BY ANOTHER METHOD
B0	reserved	RESERVATION, SET TO "0"

[Fig. 25]

EXAMPLE OF RTSP M3R REQUEST, RTSP M3R RESPONSE,
RTSP M4R REQUEST, AND RTSP M4R RESPONSE

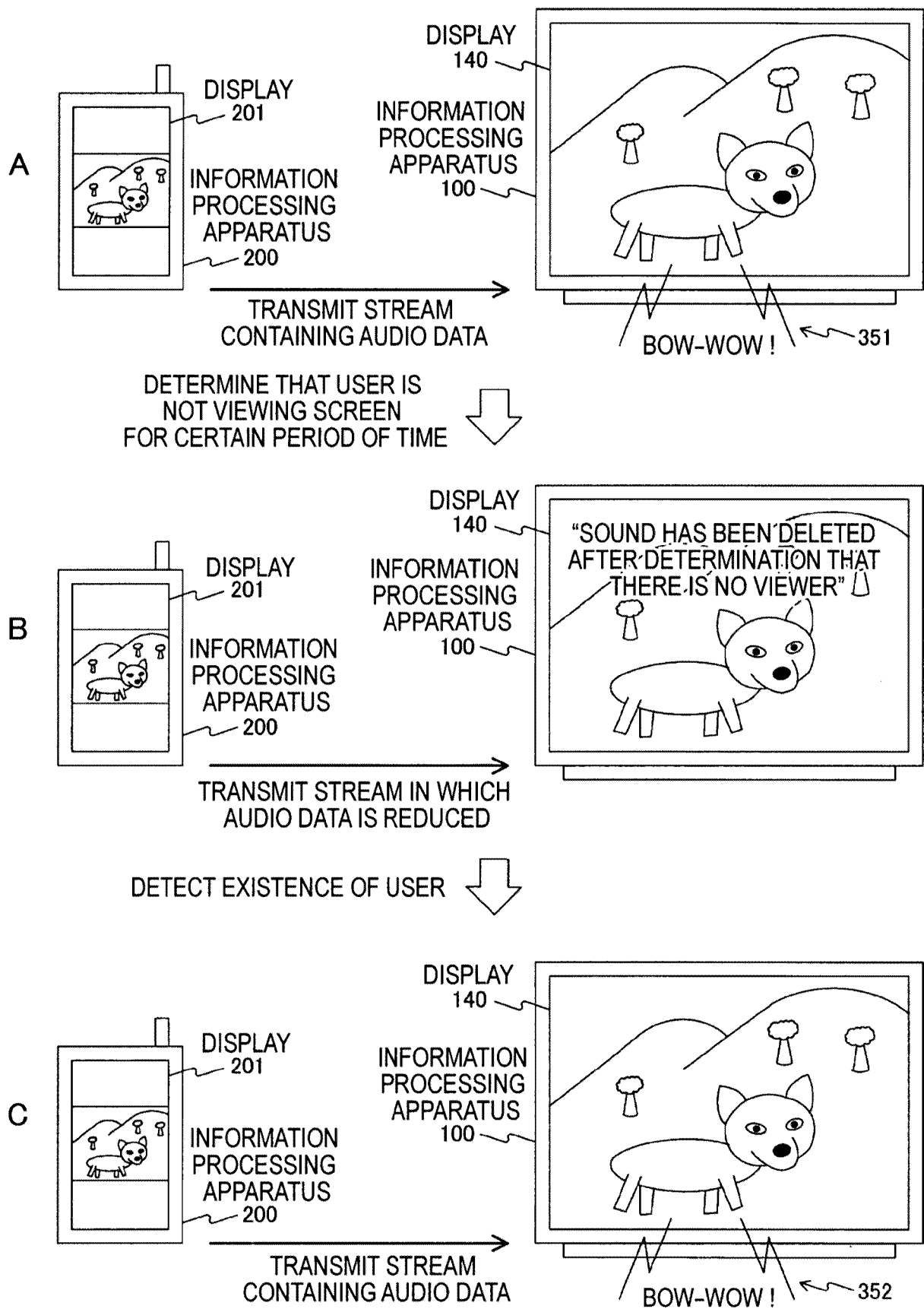
Message ID	req/res (direction)	RTSP message
M3R	request (snk→src)	GET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: j+1 Content-Type: text/parameters Content-Length: 26 wfd_audio_stream_control: 420
	response (src→snk)	RTSP/1.0 200 OK CSeq: j+1 Content-Type: text/parameters Content-Length: 29 wfd_audio_stream_control: E 421
M4R	request (snk→src)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: j+2 Content-Type: text/parameters Content-Length: 29 wfd_audio_stream_control: 2 422
	response (src→snk)	RTSP/1.0 200 OK CSeq: j+2

[Fig. 26]

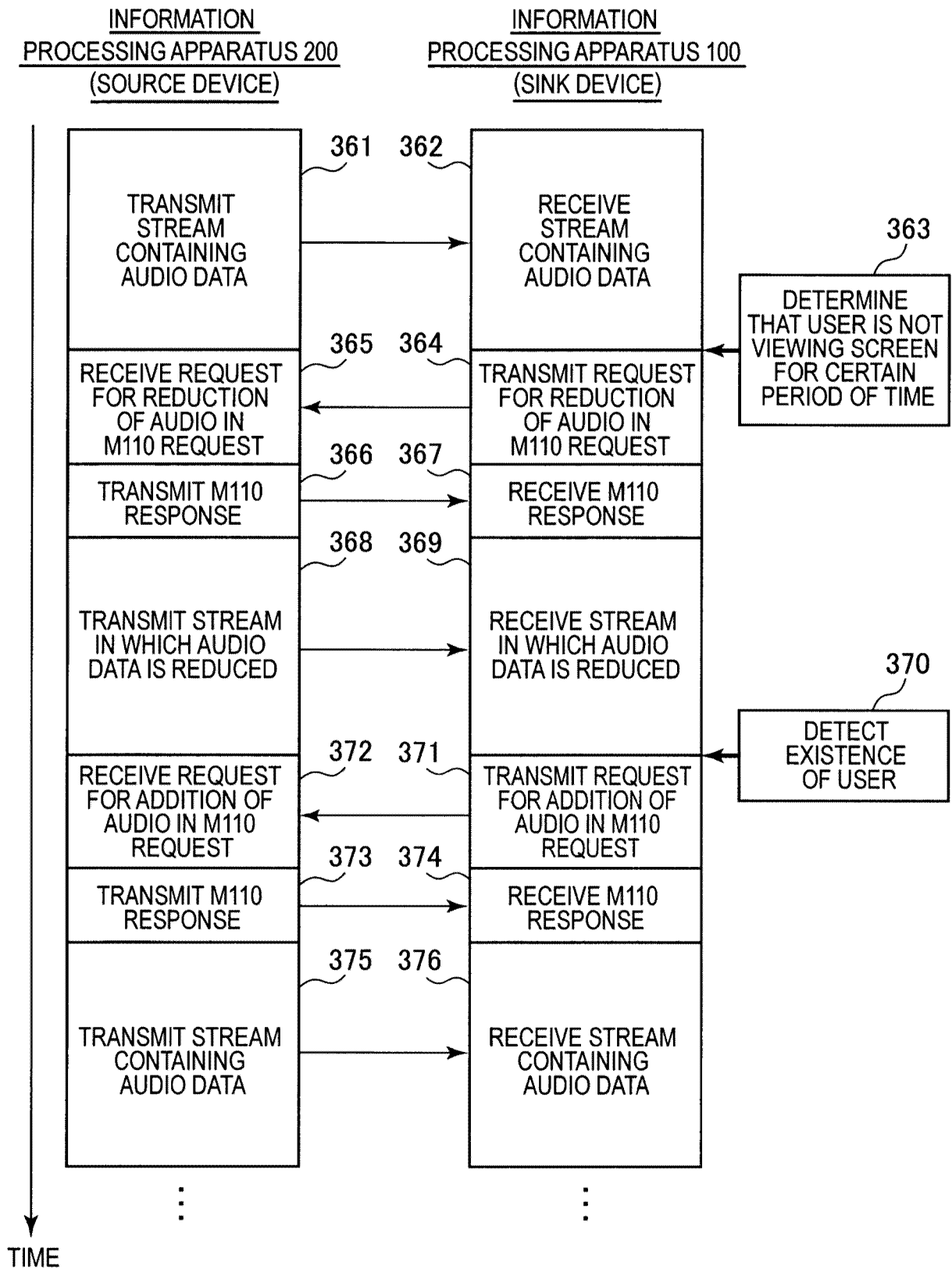
EXAMPLE OF RTSP M4 REQUEST AND RTSP M4 RESPONSE

Message ID	req/res (direction)	RTSP message
M4	request (src→snk)	SET_PARAMETER rtsp://localhost/wfd1.0 RTSP/1.0 CSeq: i+2 Content-Type: text/parameters Content-Length: 266 wfd_video_formats: 00 00 01 01 00000001 00000000 00000000 00 0000 0000 00 none none wfd_presentation_URL: rtsp://10.82.24.140/wfd1.0/streamid=0 none wfd_client_rtp_ports: RTP/AVP/UDP;unicast 1028 0 mode=play
	response (snk→src)	RTSP/1.0 200 OK CSeq: i+2

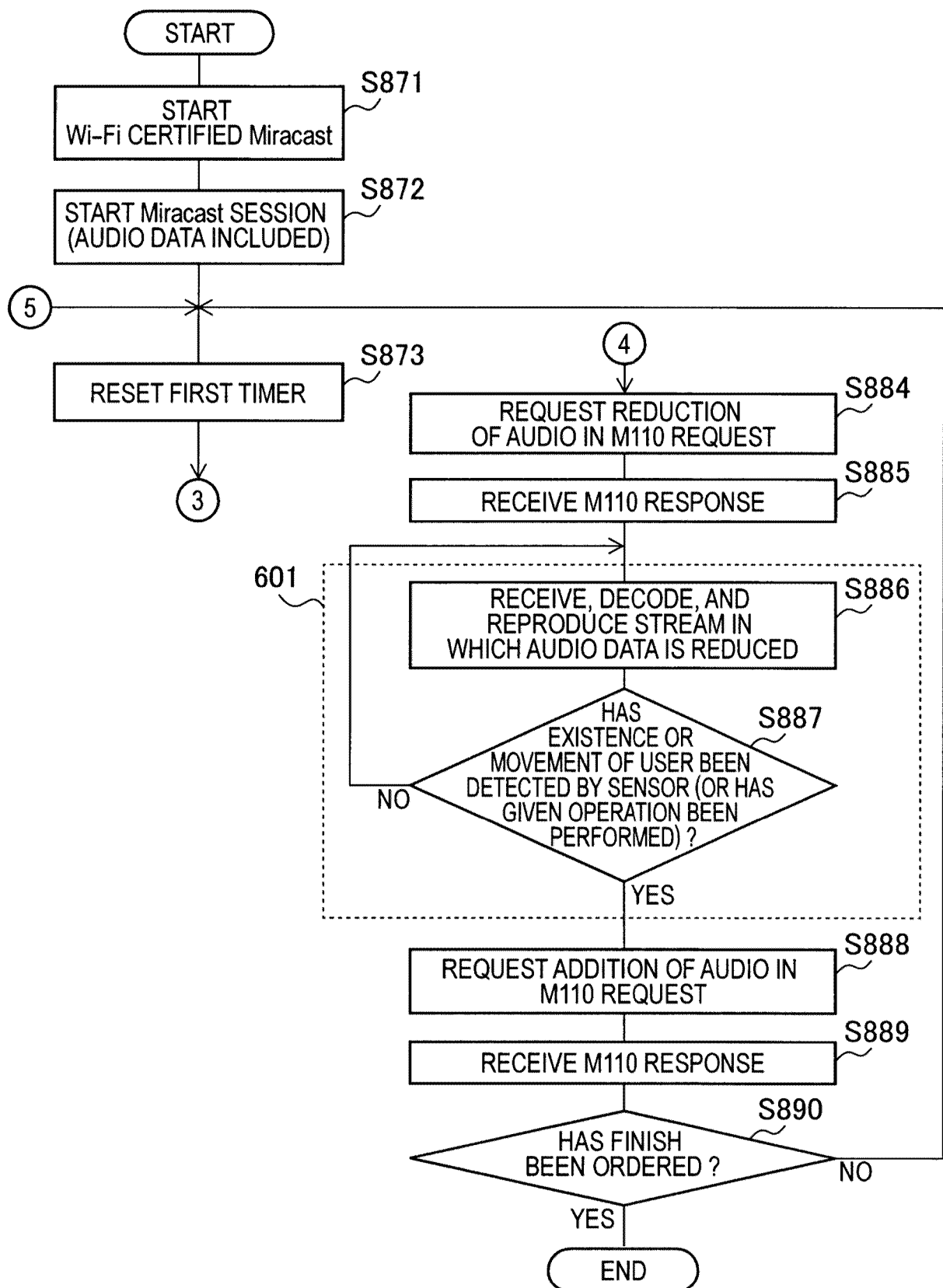
[Fig. 27]



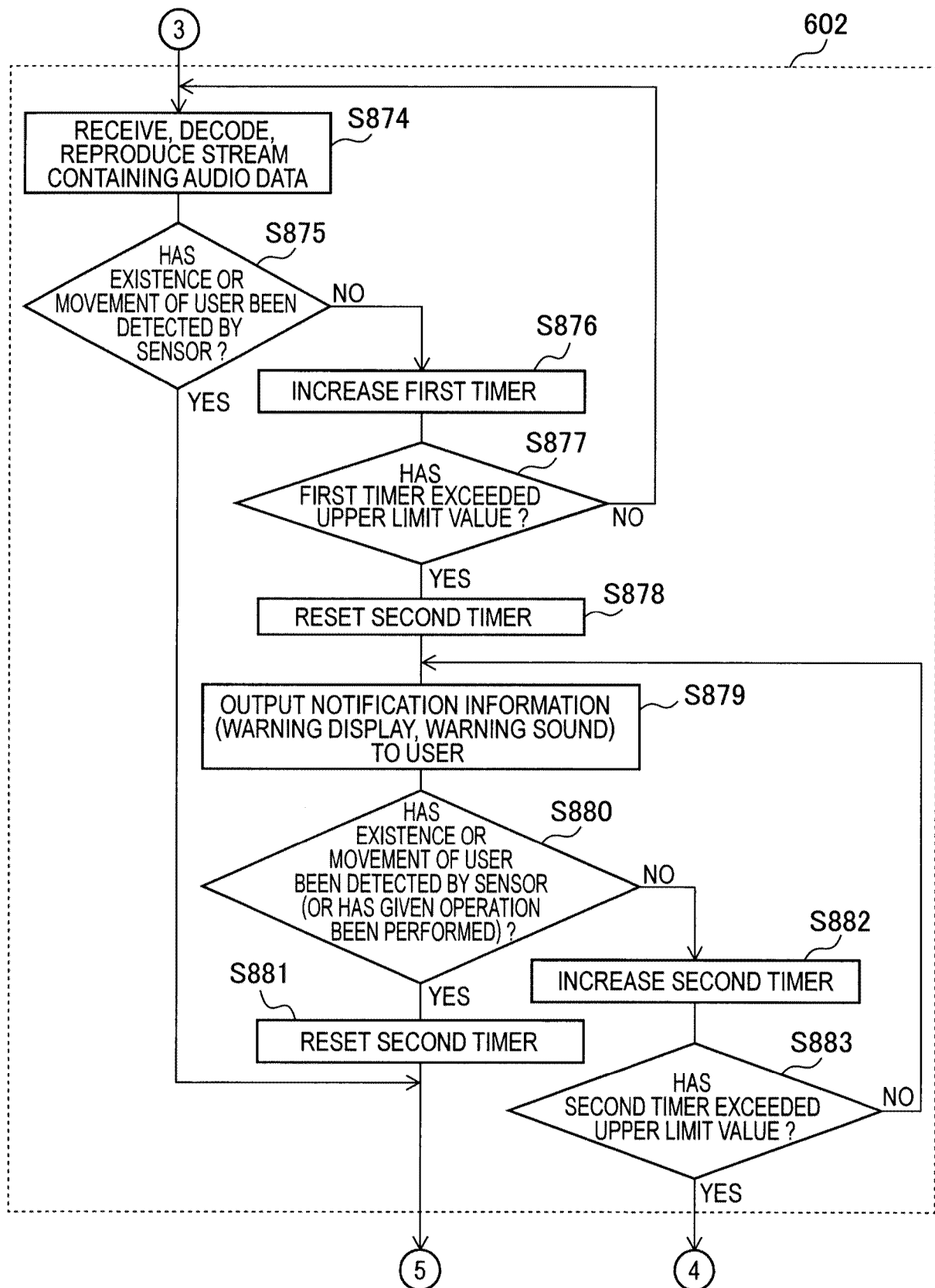
[Fig. 28]



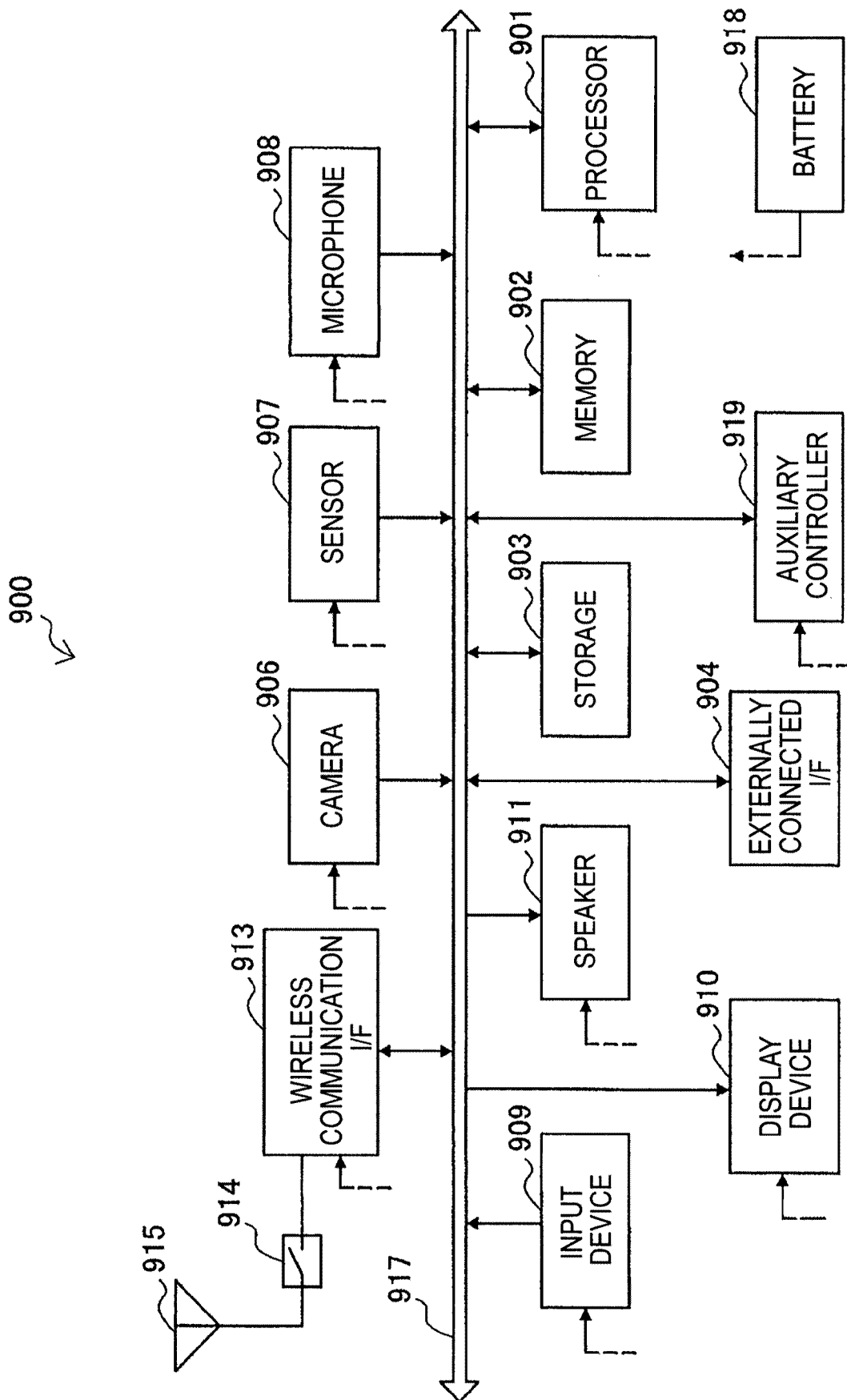
[Fig. 29]

OPERATION EXAMPLE OF SINK DEVICE

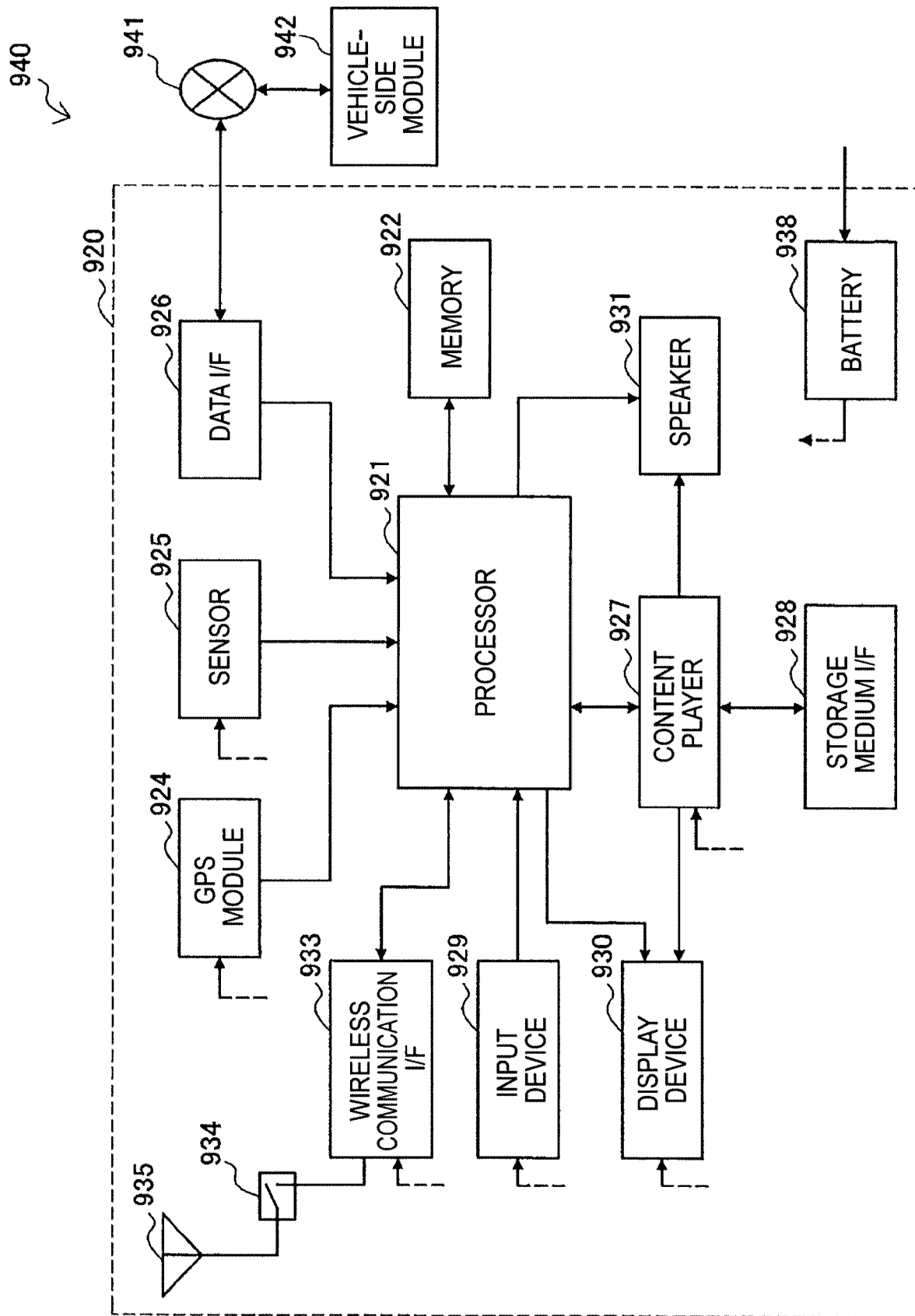
[Fig. 30]



[Fig. 31]



[Fig. 32]



[Fig. 33]

