

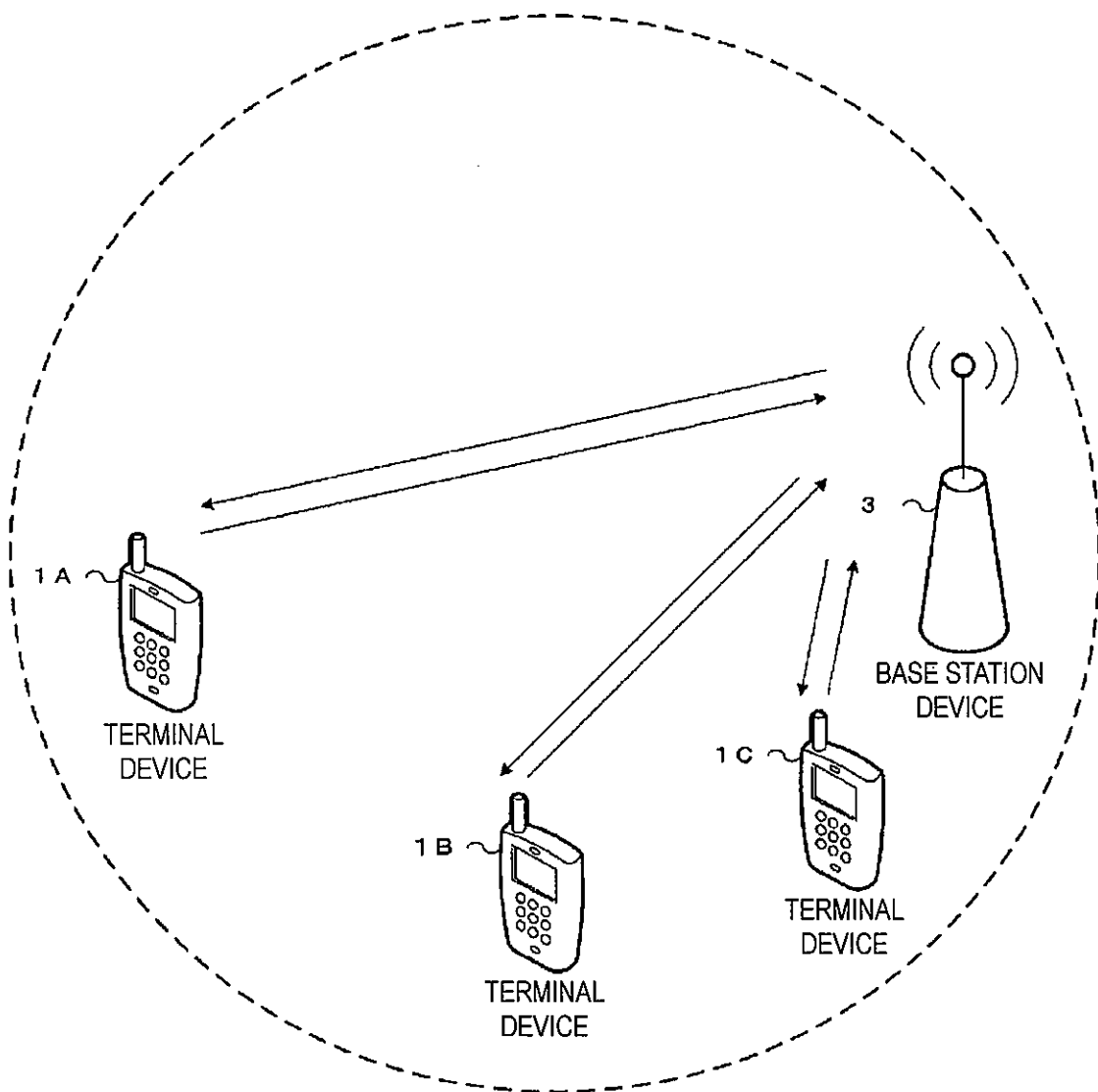


FIG. 1

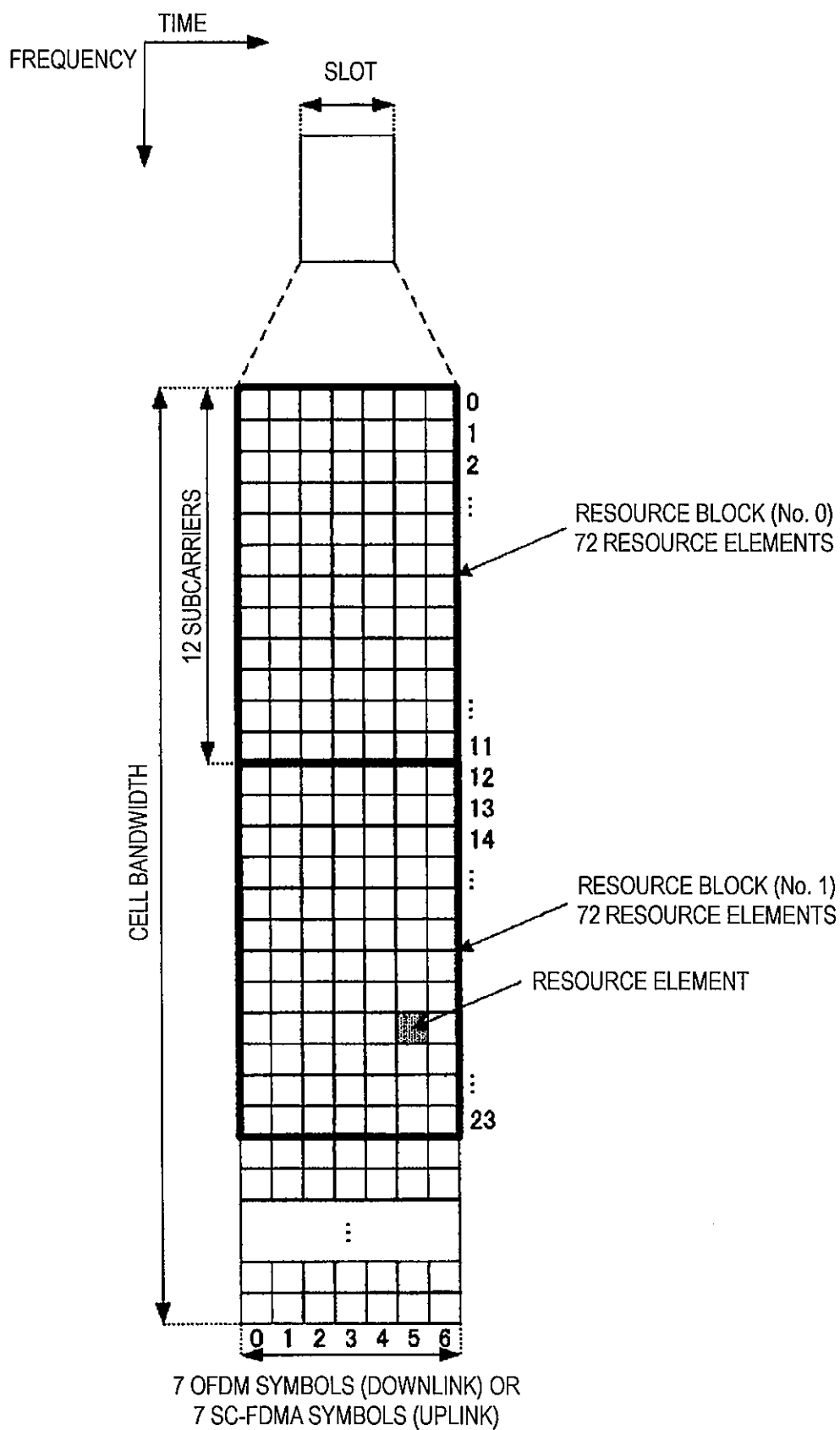


FIG. 2

Special fields for Semi-Persistent Scheduling Activation PDCCH/EPDCCCH Validation

	DCI format 0	DCI format 1/1A
TPC command for scheduled PUSCH	set to '00'	N/A
Cyclic shift DMRS	Set to '000'	N/A
Modulation and coding scheme and redundancy version	MSB is set to '0'	N/A
HARQ process number	N/A	FDD: set to '000' TDD: set to '0000'
Modulation and coding scheme	N/A	MSB is set to '0'
Redundancy version	N/A	set to '00'

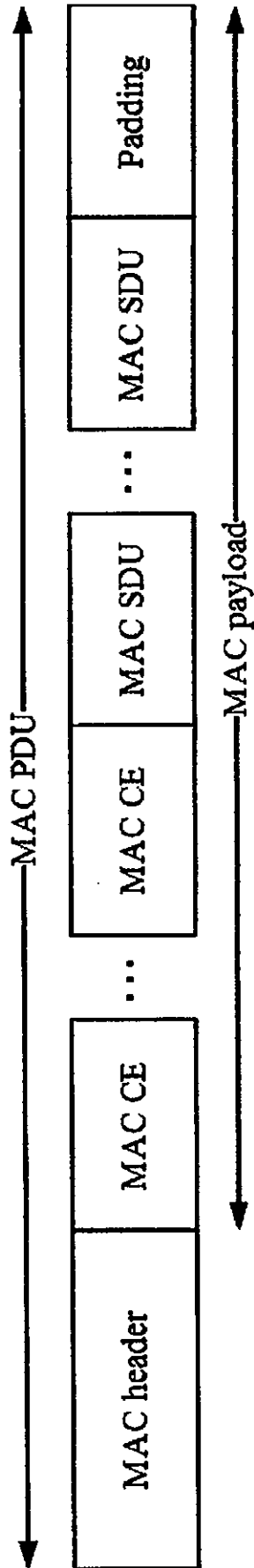
FIG. 3

Special fields for Semi-Persistent Scheduling Release PDCCH/EPDCCCH Validation

	DCI format 0	DCI format 1/1A
TPC command for scheduled PUSCH	set to '00'	N/A
Cyclic shift DMRS	Set to '000'	N/A
Modulation and coding scheme and redundancy version	set to '11111'	N/A
Resource block assignment and hopping resource allocation	set to all '1' s	N/A
HARQ process number	N/A	FDD: set to '000' TDD: set to '0000'
Modulation and coding scheme	N/A	set to '11111'
Redundancy version	N/A	set to '00'
Resource block assignment	N/A	set to all '1' s

FIG. 4

Non-empty transmission



Empty transmission

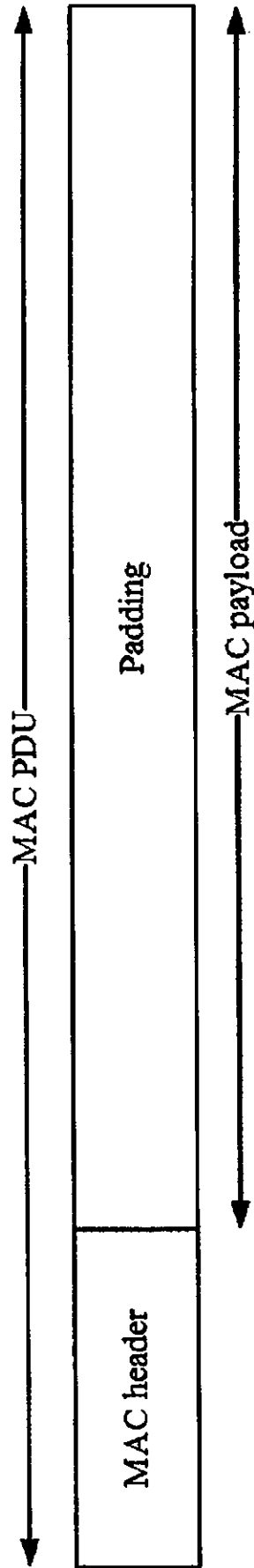


FIG. 5

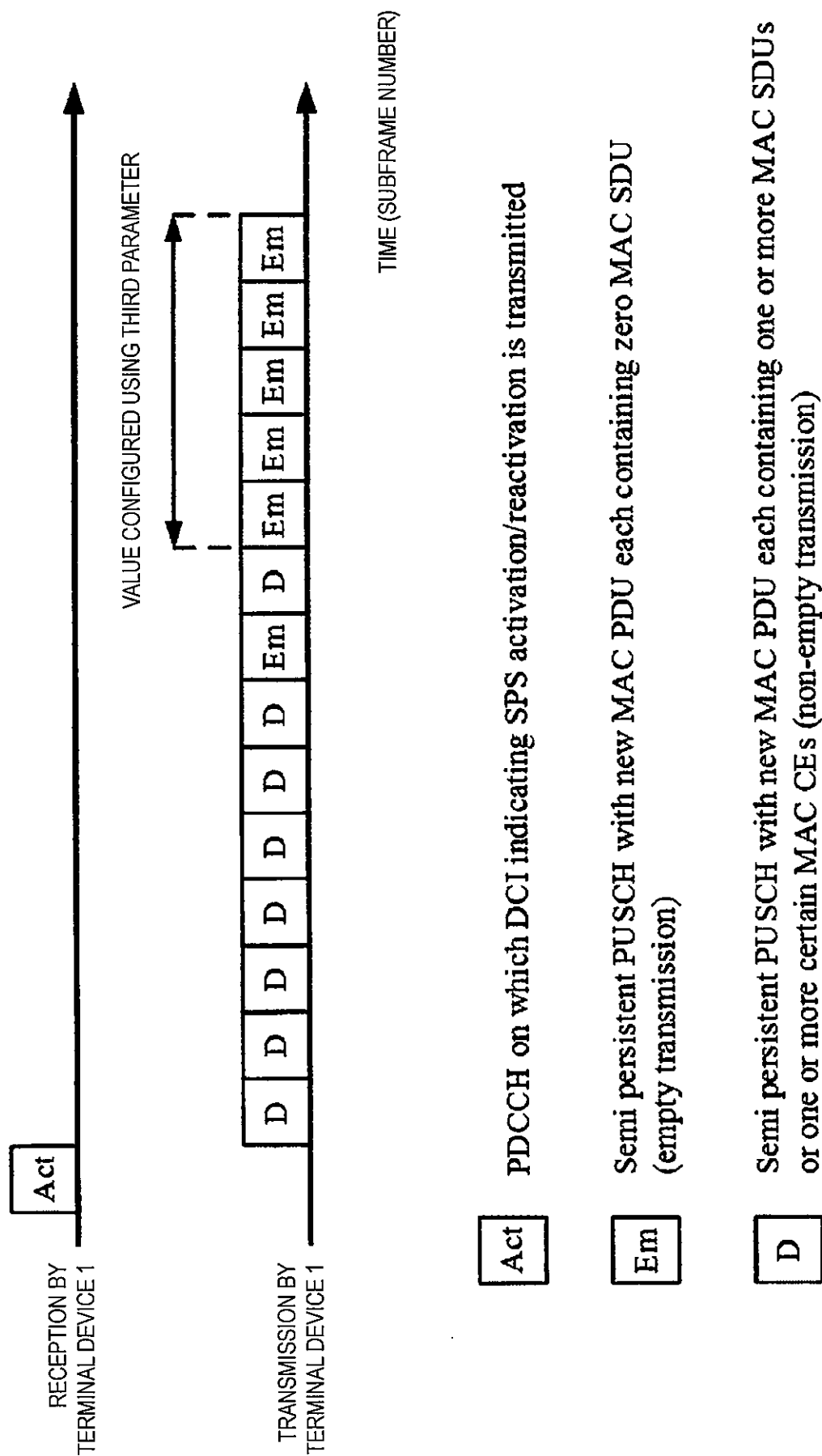


FIG. 6

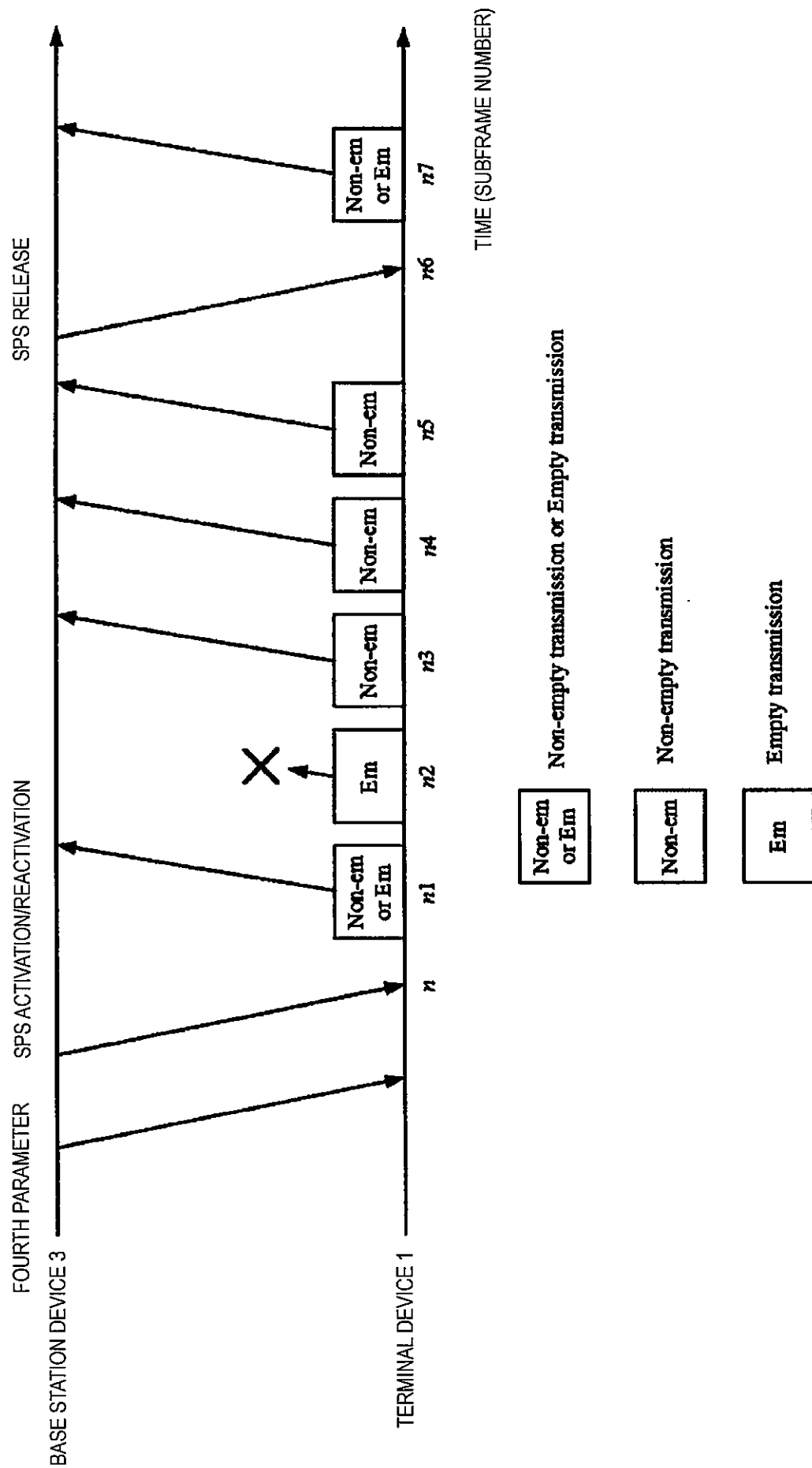
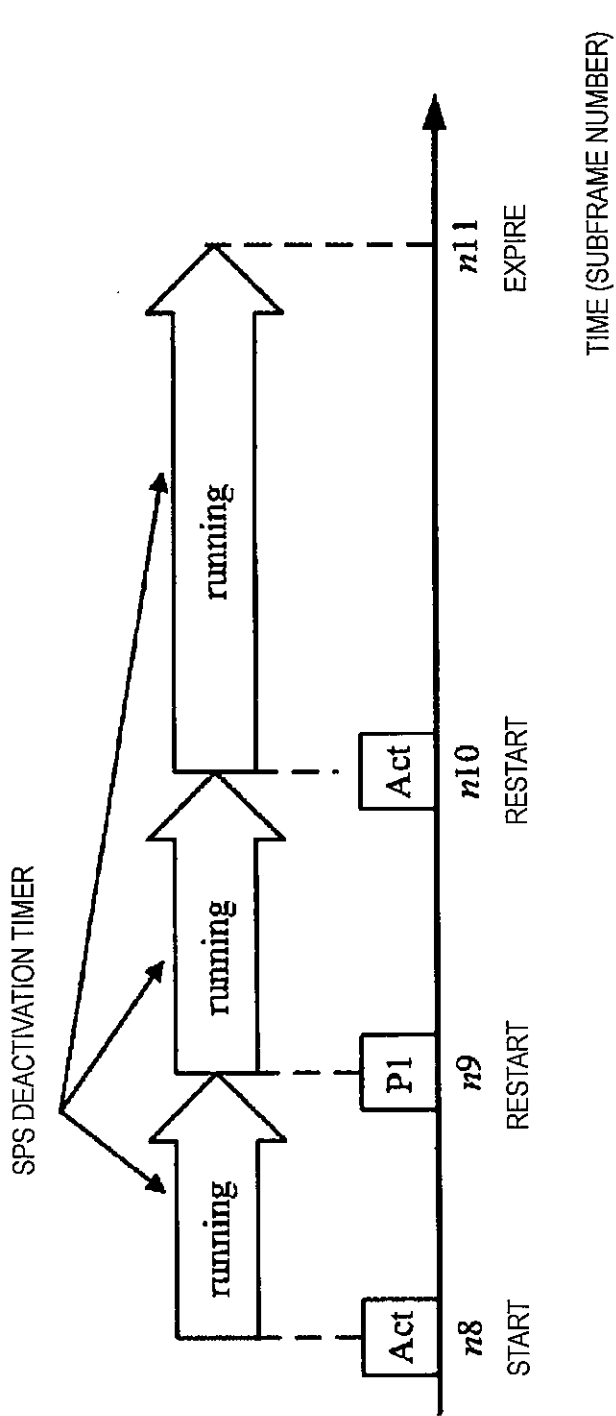
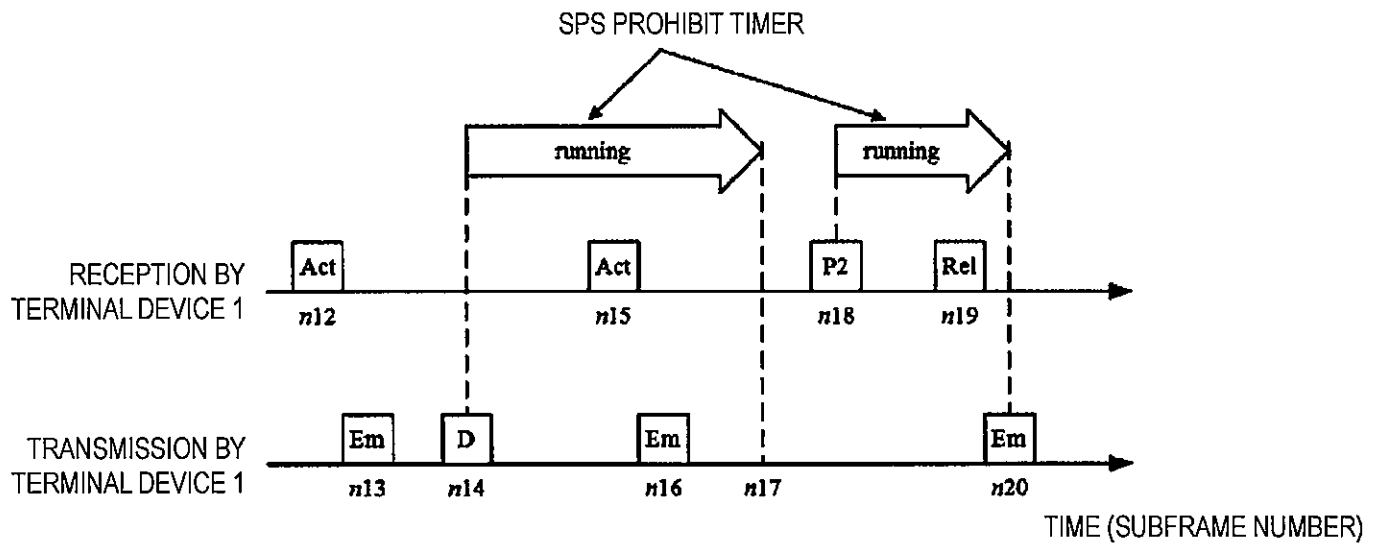


FIG. 7



- Act**
- PDCCH on which DCI indicating SPS activation/reactivation is transmitted
- P1**
- PRESCRIBED PDCCH
- e.g. - PDCCH FOR PRIMARY CELL
- PDCCH FOR SECONDARY CELL,
 - PDCCH WITH DOWNLINK ASSIGNMENT
 - PDCCH WITH UPLINK ASSIGNMENT
 - PDCCH WITH C-RNTI, PDCCH WITH SPS C-RNTI, AND/OR PDCCH WITH ANY ONE OF SI-RNTI, RA-RNTI, AND P-RNTI

FIG. 8



- Act** PDCCH on which DCI indicating SPS activation/reactivation is transmitted
- Em** Semi persistent PUSCH with new MAC PDU each containing zero MAC SDU or one or more second MAC CE (empty transmission)
- D** Semi persistent PUSCH with new MAC PDU each containing one or more MAC SDUs or one or more first MAC CEs (non-empty transmission)
- Rel** PDCCH on which DCI indicating SPS release is transmitted
- P2** PRESCRIBED PDCCH
- e.g. - PDCCH FOR PRIMARY CELL WITH C-RNTI
 - PDCCH FOR SECONDARY CELL WITH C-RNTI
 - PDCCH WITH DOWNLINK ASSIGNMENT AND WITH C-RNTI
 - PDCCH WITH UPLINK GRANT AND WITH C-RNTI

FIG. 9

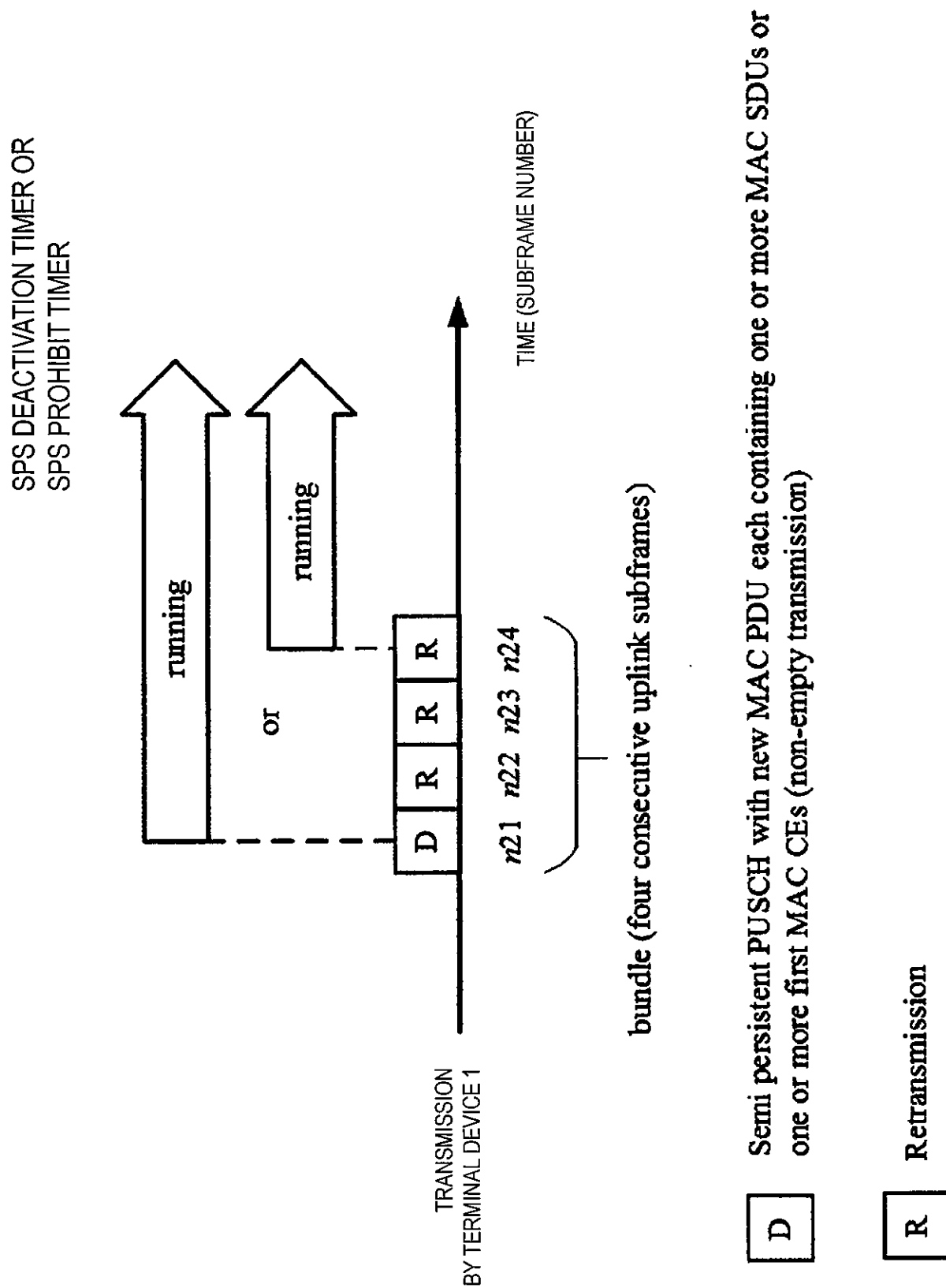


FIG. 10

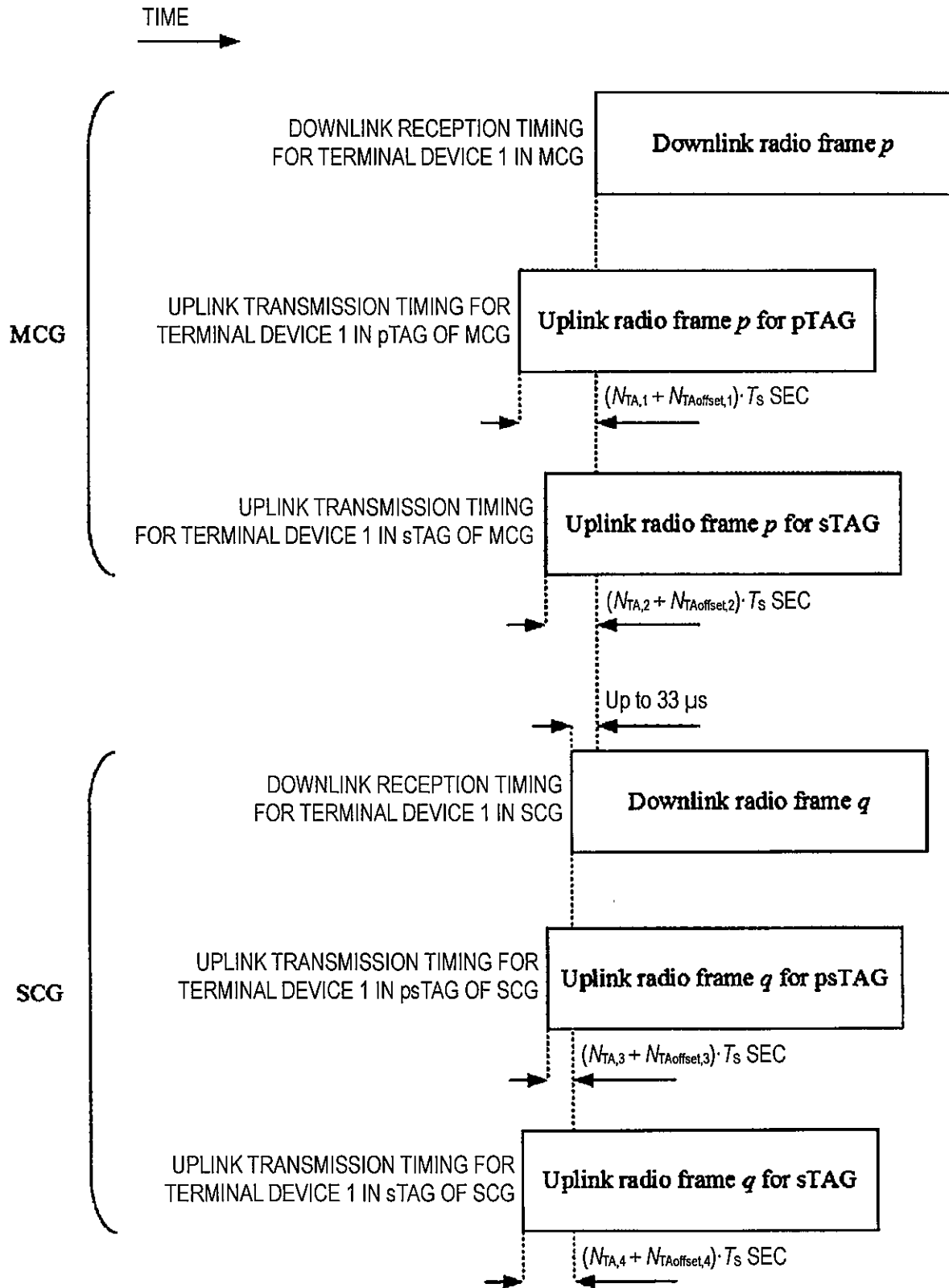


FIG. 11

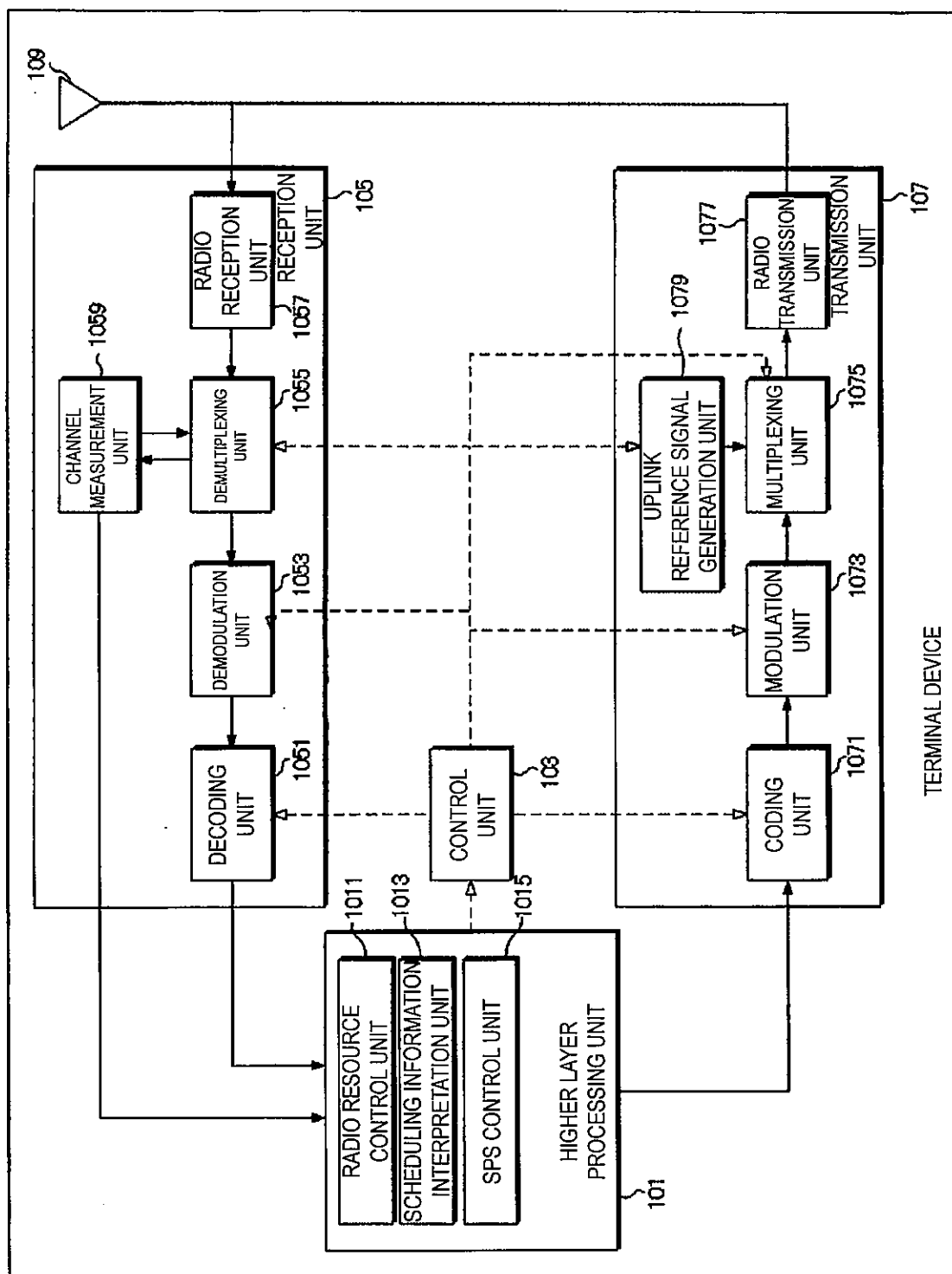


FIG. 12

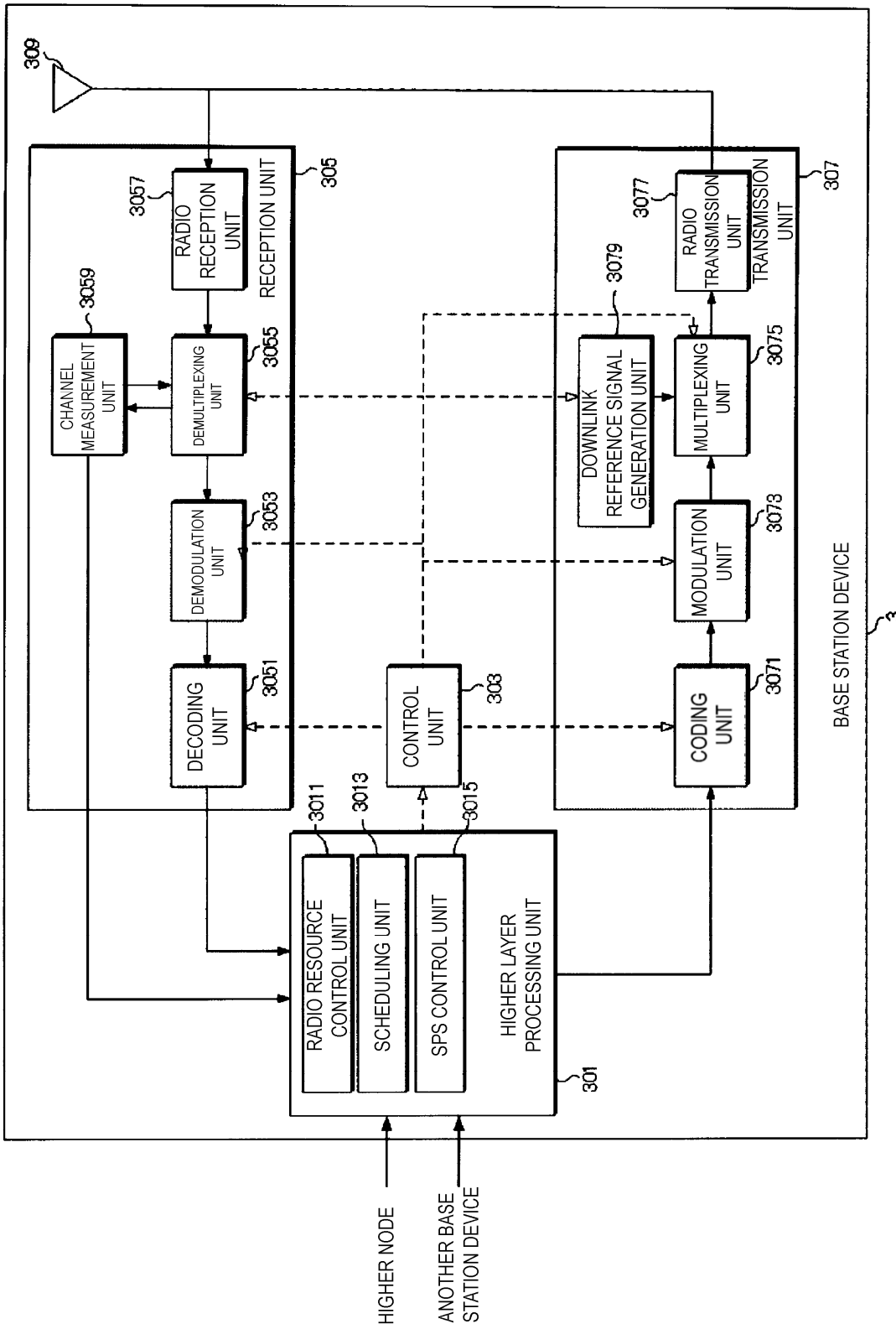


FIG. 13