

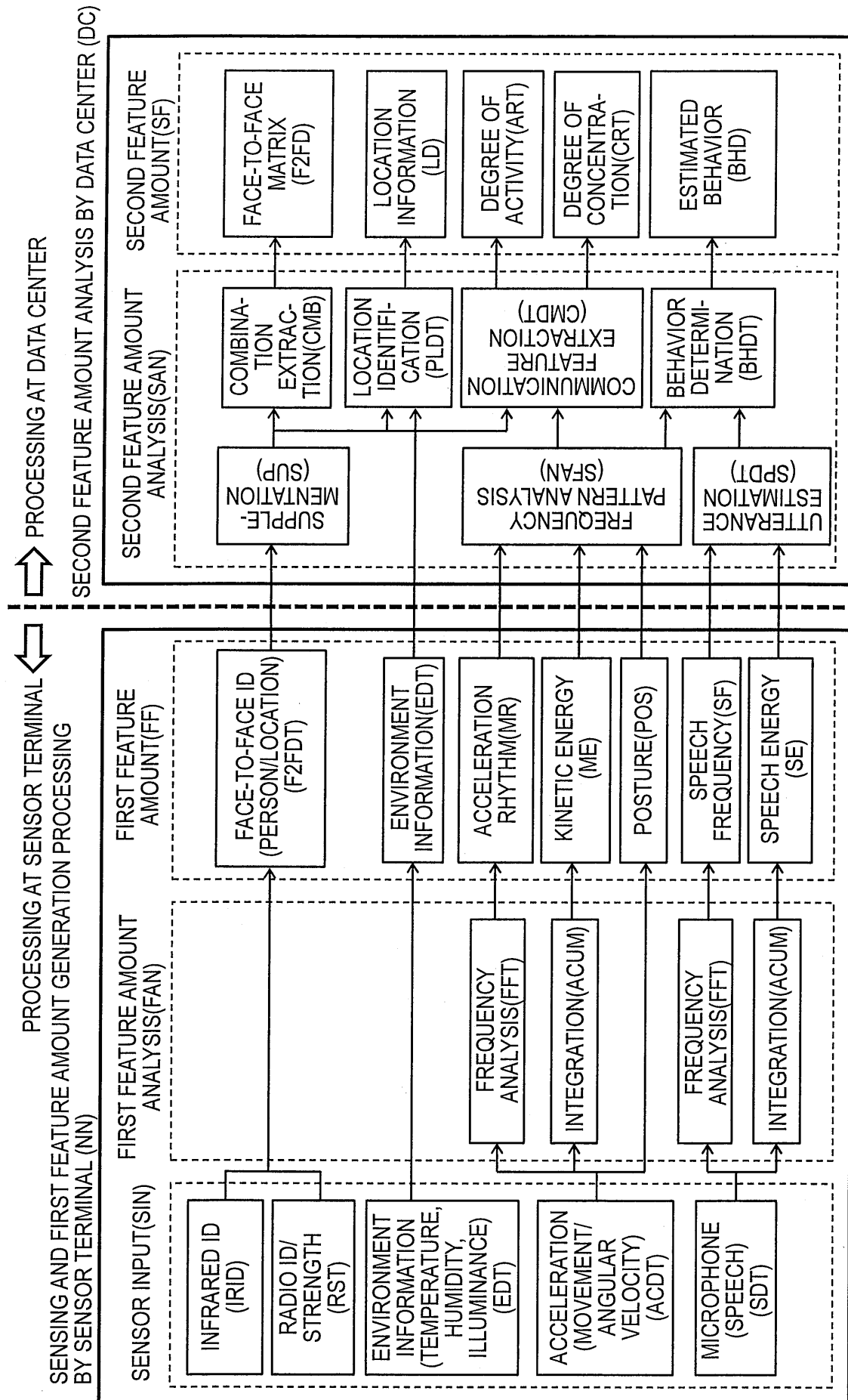


FIG.2

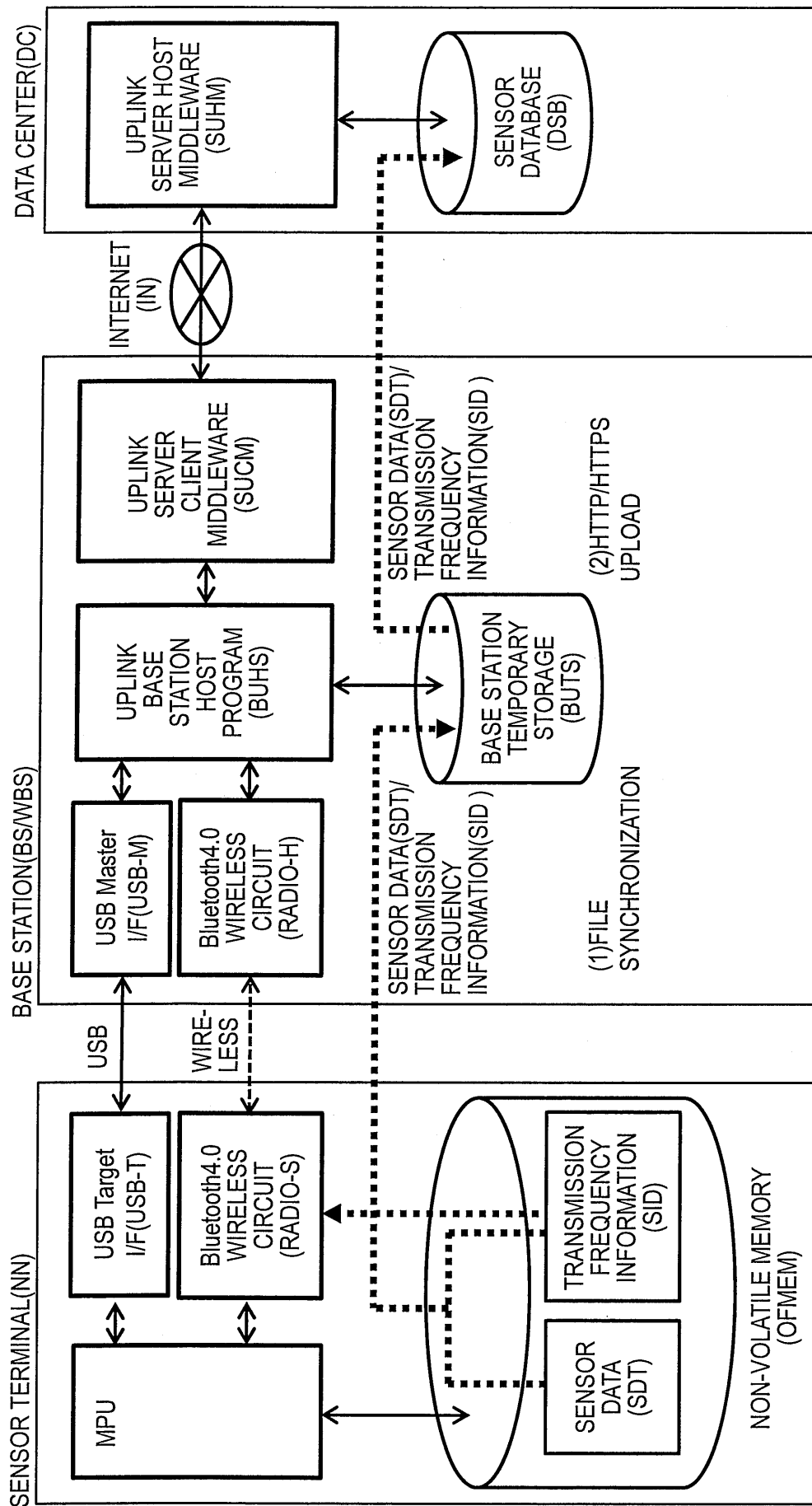


FIG.3

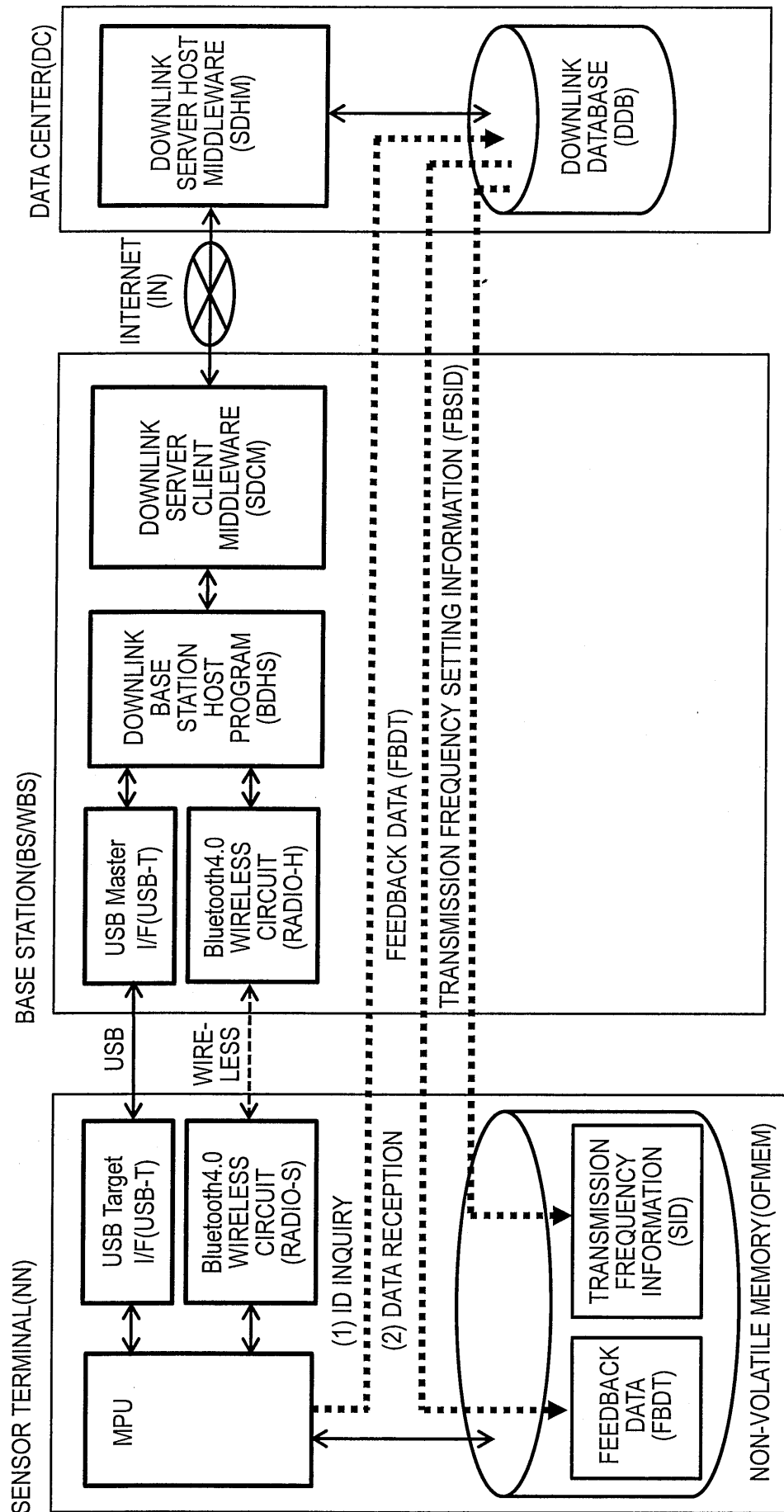


FIG.4

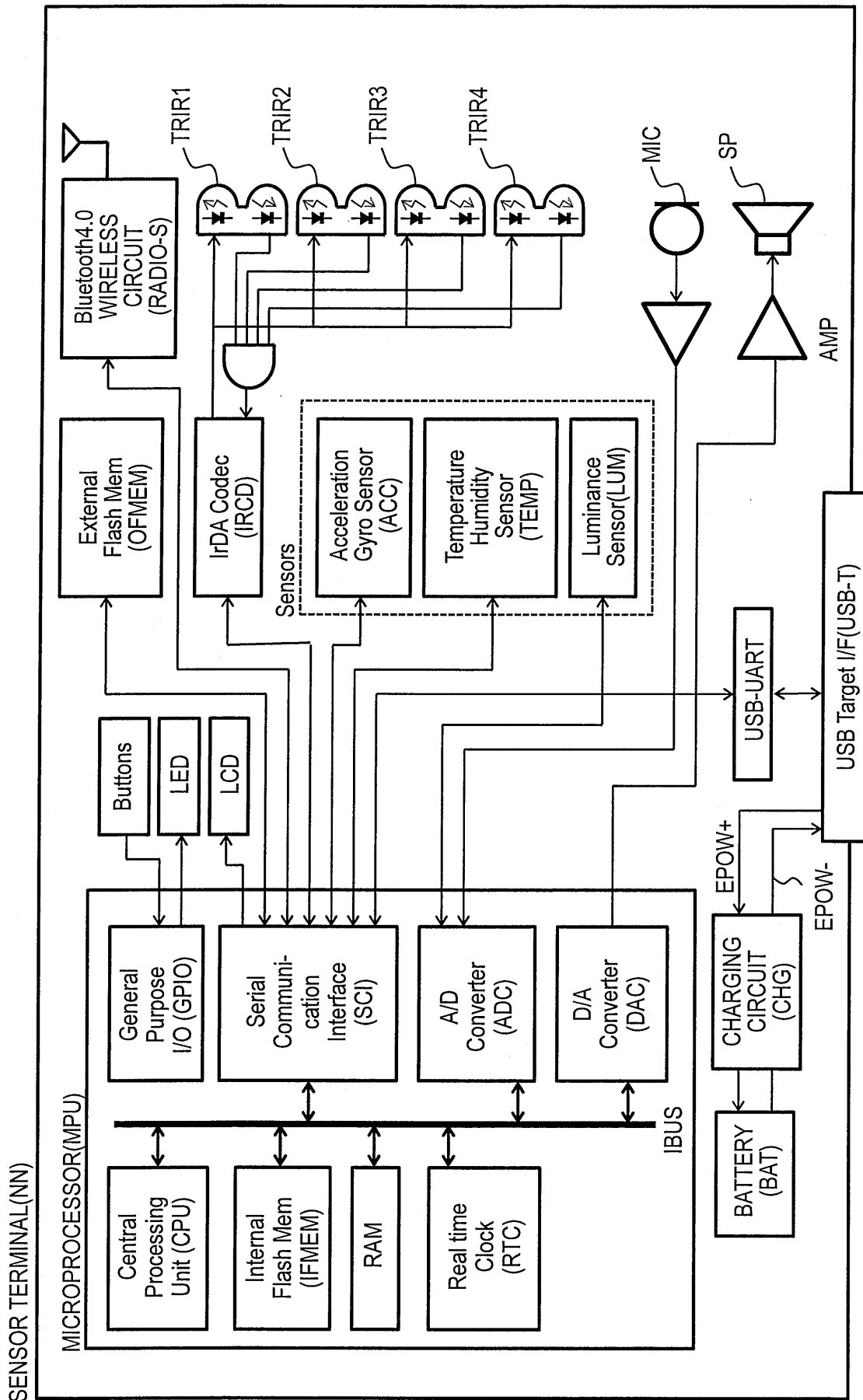


FIG.5

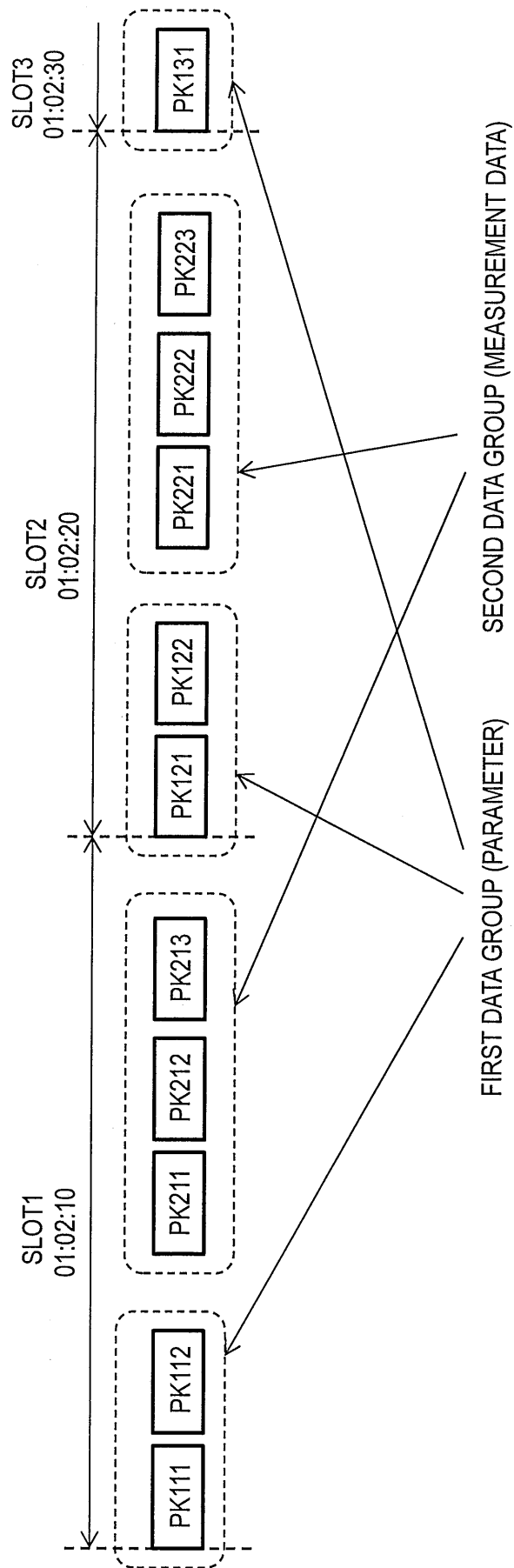
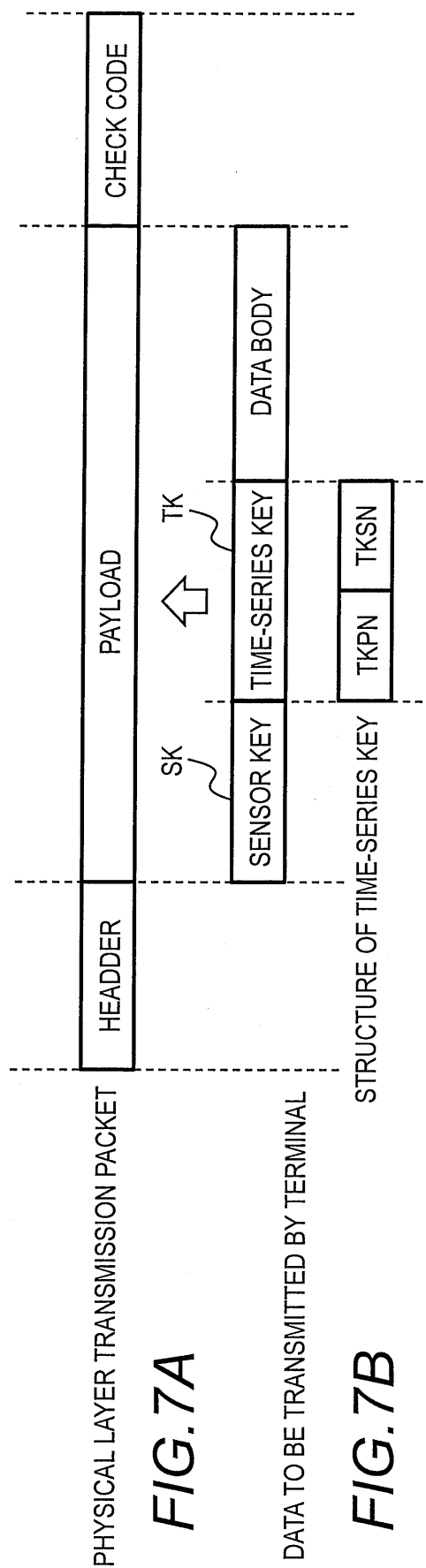


FIG.6



FIELD NAME	SIZE (NUMBER OF BYTES)	DESCRIPTION
SENSOR KEY(SK)	1	CODE REPRESENTING STORED PARAMETER TYPE OR SENSOR TYPE
TIME-SERIES KEY(TK)	1	UNIQUE VALUE REPRESENTING ORDER OF DATA PACKETS FOR RELEVANT SENSOR TYPE TO BE TRANSMITTED TO RELEVANT SLOT
PACKET NUMBER (TKPN)	2	UNIQUE VALUE CORRESPONDING TO TIME OF SLOT ACQUIRING RELEVANT SENSOR DATA
SENSING SEQUENCE NUMBER (TKSN)		
SENSOR DATA(SD)	16	ACTUAL PARAMETER OR ACTUAL DATA MEASURED BY SENSOR
TOTAL	20	

FIG.8

KEY VALUE DEFINITION OF FIRST DATA GROUP

SENSOR KEY VALUE (PARAMETER)	DEFINITION
0x80	TERMINAL ID/TIME INFORMATION
0x81	STATUS/TEMPERATURE, HUMIDITY
0x82	DATA ACQUISITION FREQUENCY
0x83	OTHER PARAMETER
0x84-0x8F	RESERVATION

FIG.9A

KEY VALUE DEFINITION OF SECOND DATA GROUP

SENSOR KEY VALUE (SENSOR TYPE)	DEFINITION
0x90	ACCELERATION X AXIS
0x91	ACCELERATION Y AXIS
0x92	ACCELERATION Z AXIS
0x93	GYRO X AXIS
0x94	GYRO Y AXIS
0x95	GYRO Z AXIS
0x96-0x97	RESERVATION
0x98	SPEECH ENERGY
0x99	SPEECH FREQUENCY
0x9A	SPEECH PEAK
0x9B	RESERVATION
0x9C	INFRARED PROXIMITY
0x9D	WIRELESS PROXIMITY
0x9E-0x9F	RESERVATION

FIG.9B

DATA ACQUISITION FREQUENCY SELECTION	PARAMETER NAME	SIZE (NUMBER OF BYTES)	MEANING
TEMPERATURE/HUMIDITY/ILLUMINANCE DATA TRANSMISSION INTERVAL	Temp radio data interval	1	SET FREQUENCY FOR TRANSMISSION 0x00 ... DO NOT TRANSMIT IN OTHER CASES ... TRANSMIT ONCE PER n TIMES EXAMPLE: 0x01 ... TRANSMIT EVERY TIME (ONCE PER 10 SECONDS) 0x02 ... TRANSMIT ONCE PER 2 TIMES (ONCE PER 20 SECONDS)
Acc X DATA TRANSMISSION INTERVAL	AccX radio data interval	1	SET INTERVAL FOR THINNING SENSOR DATA
Acc Y DATA TRANSMISSION INTERVAL	AccY radio data interval	1	0x00 ... DO NOT TRANSMIT ANY
Acc Z DATA TRANSMISSION INTERVAL	AccZ radio data interval	1	HIGHER-LEVEL DIGIT n: THIN DATA BY 1/n AND TRANSMIT
GYRO X DATA TRANSMISSION INTERVAL	GyroX radio data interval	1	LOWER-LEVEL DIGIT m: OF DATA THINNED BY 1/n, TRANSMIT m-th PIECE OF DATA
GYRO Y DATA TRANSMISSION INTERVAL	GyroY radio data interval	1	EXAMPLE: 0x1* ... TRANSMITS ALL DATA (* IS "DON'T CARE")
GYRO Z DATA TRANSMISSION INTERVAL	GyroZ radio data interval	1	0x20 .. THIN BY 1/2 AND TRANSMIT FIRST PIECE OF DATA
SPEECH ENERGY DATA TRANSMISSION INTERVAL	VEn radio data interval	1	0x32 ... THIN BY 1/3 AND TRANSMIT SECOND PIECE OF DATA
SPEECH FREQUENCY DATA TRANSMISSION INTERVAL	VFq radio data interval	1	
INFRARED PROXIMITY DETECTION DATA TRANSMISSION INTERVAL	IR radio data interval	1	OF INFRARED DETECTION DATA OF RELEVANT SLOT, SET MAXIMUM NUMBER OF RECORDS TO BE TRANSMITTED 0x00 ... DO NOT TRANSMIT
WIRELESS PROXIMITY DETECTION DATA TRANSMISSION INTERVAL	RProx radio data interval	1	IN OTHER CASES ... SET NUMBER OF RECORDS TO BE TRANSMITTED EXAMPLE: 0x01... MAXIMUM OF ONE RECORD IN 10 SECONDS 0x02... MAXIMUM OF TWO RECORDS IN 10 SECONDS

FIG.10

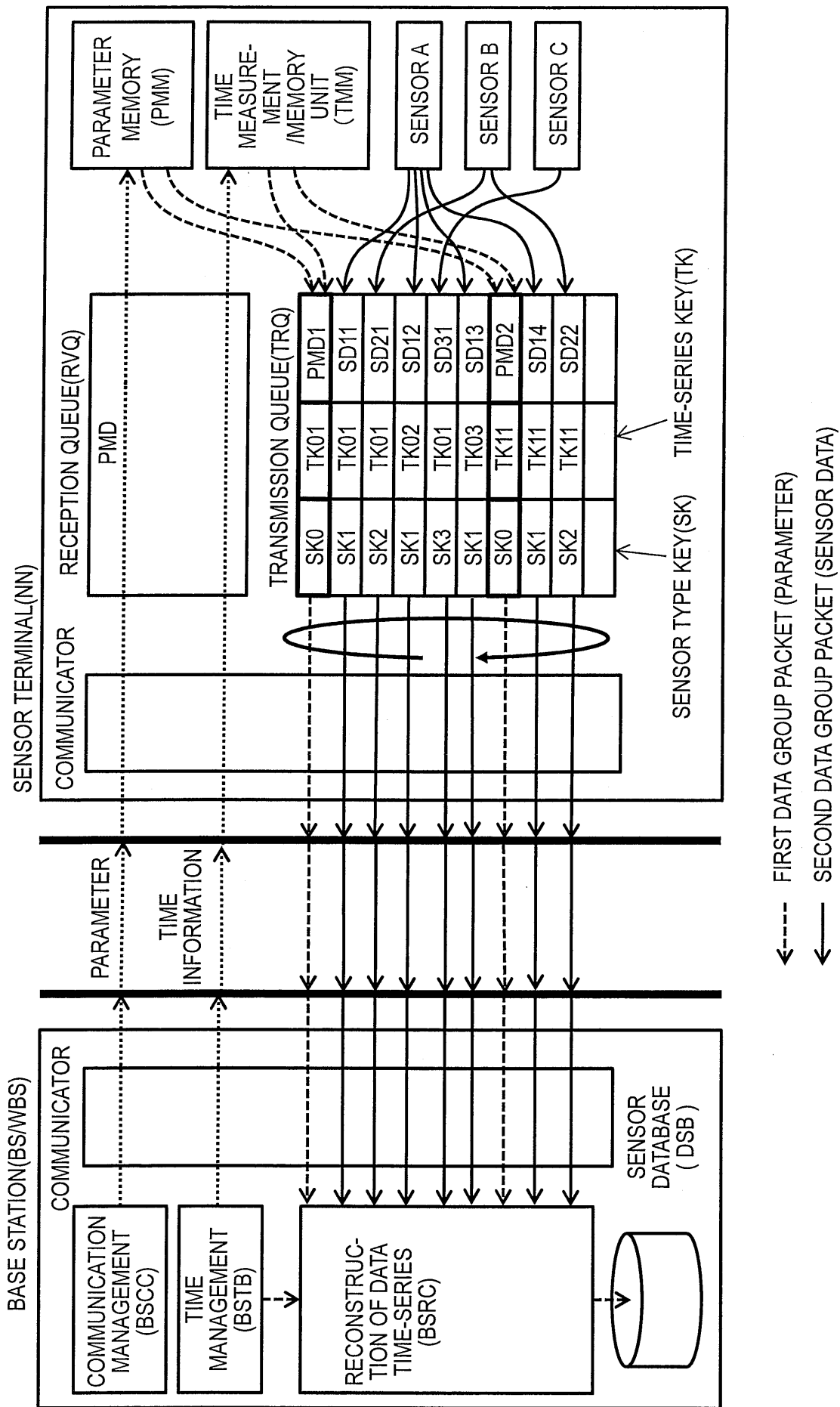


FIG.11

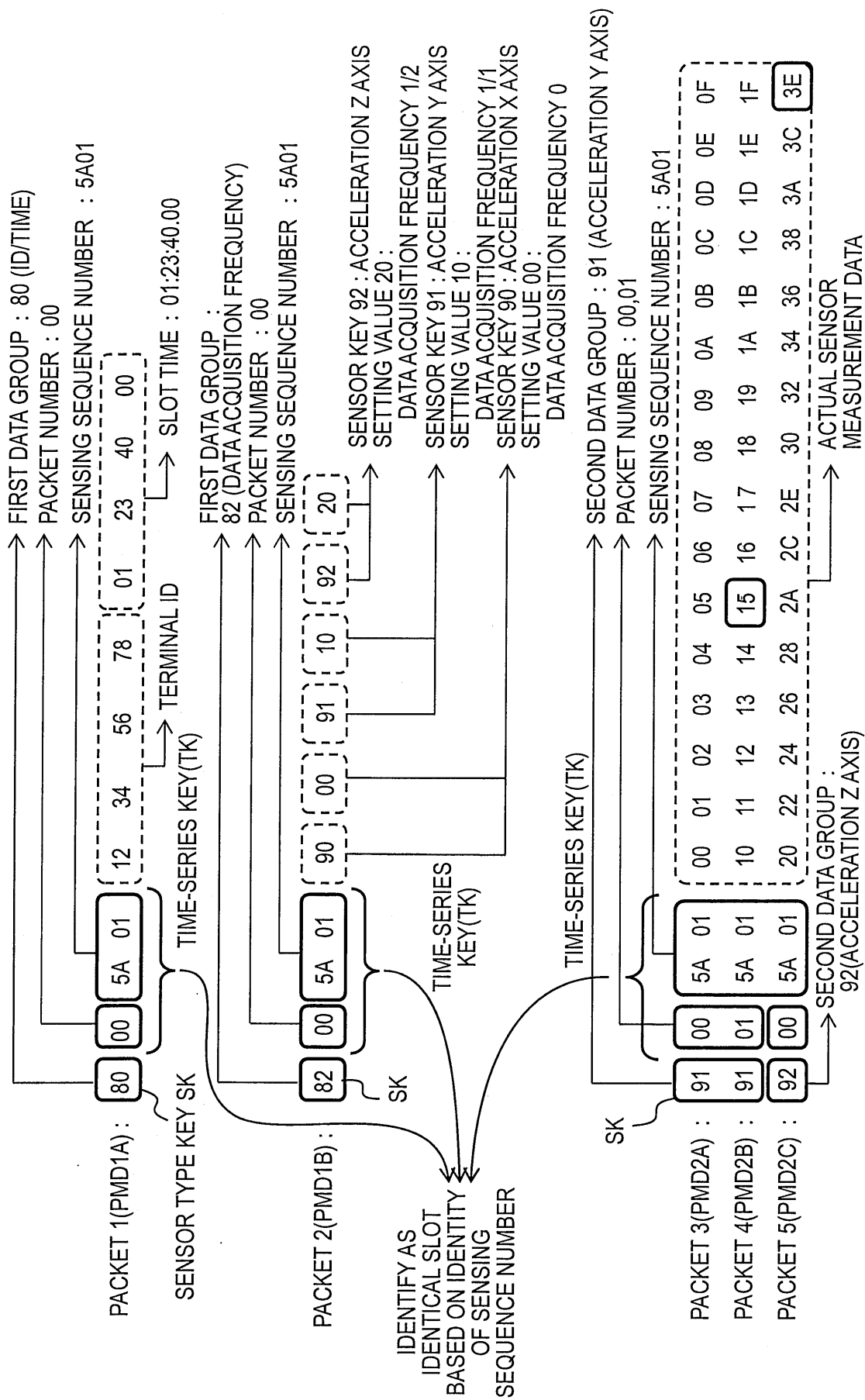


FIG.12

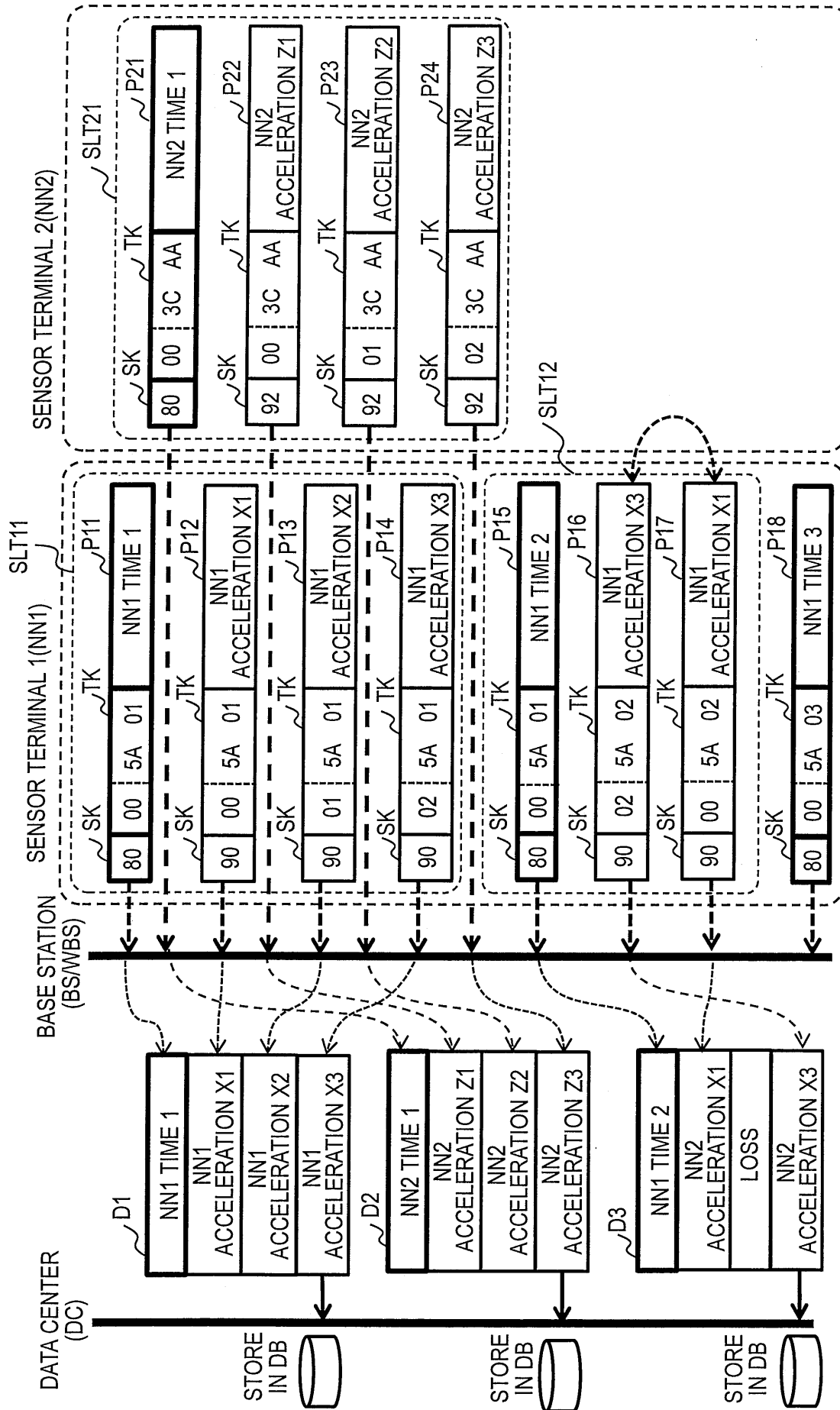


FIG.13

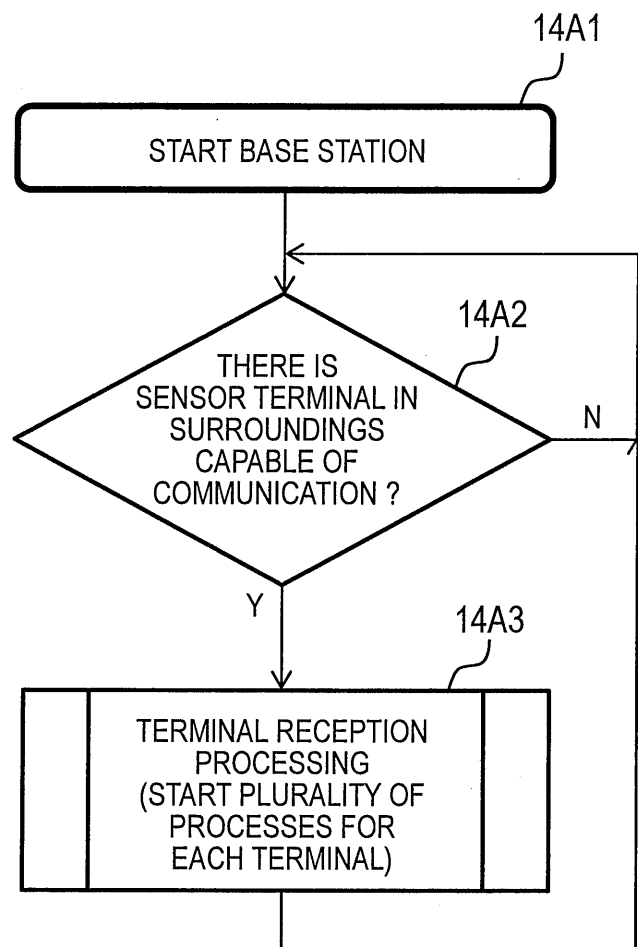


FIG. 14A

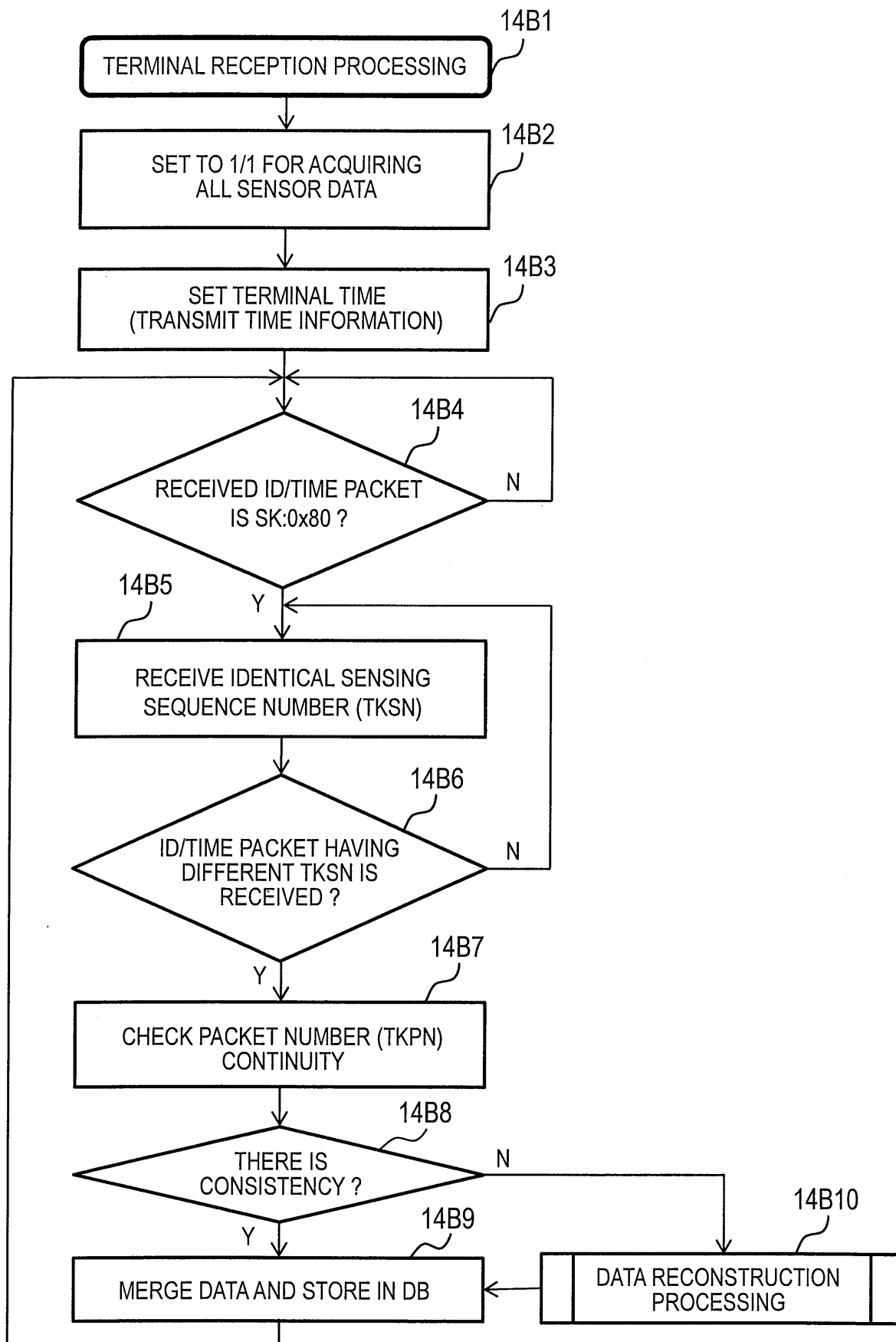


FIG. 14B

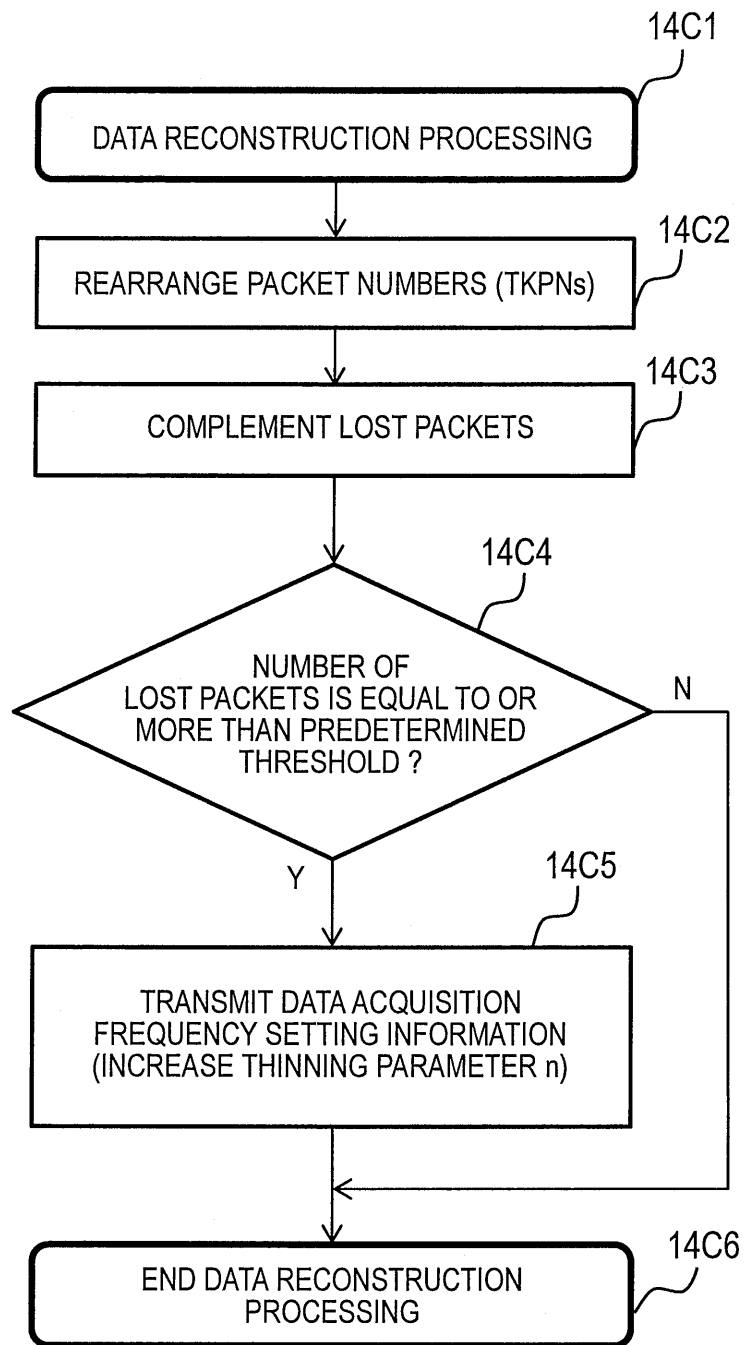


FIG. 14C

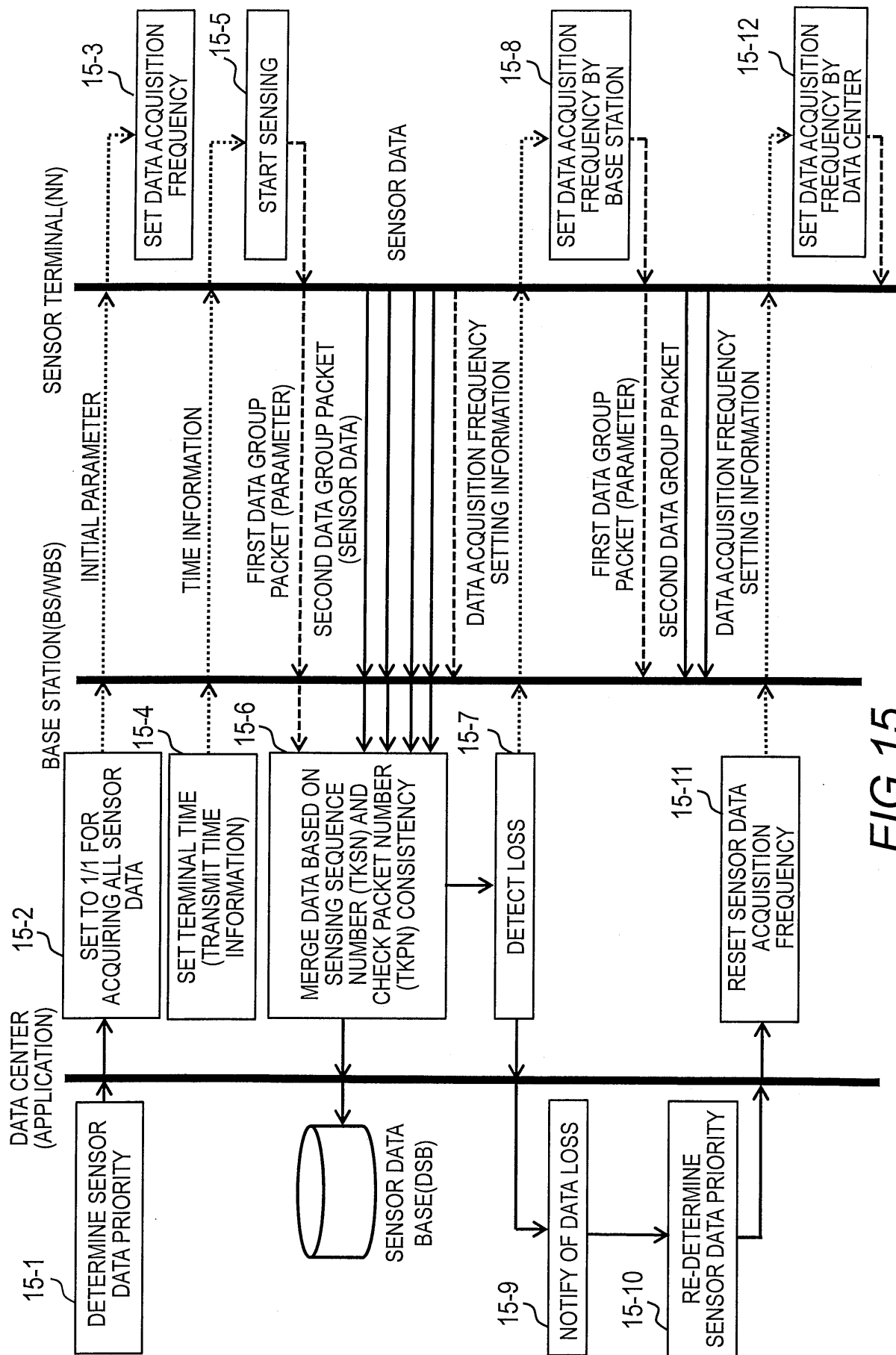


FIG.15