

FIG. 1

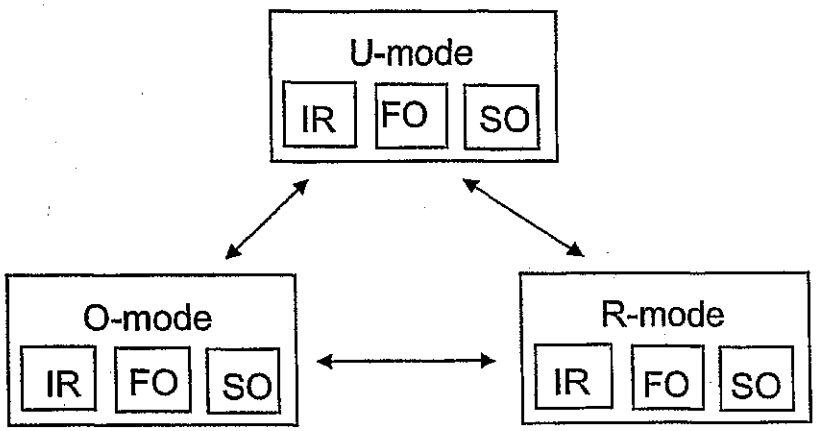


FIG. 2

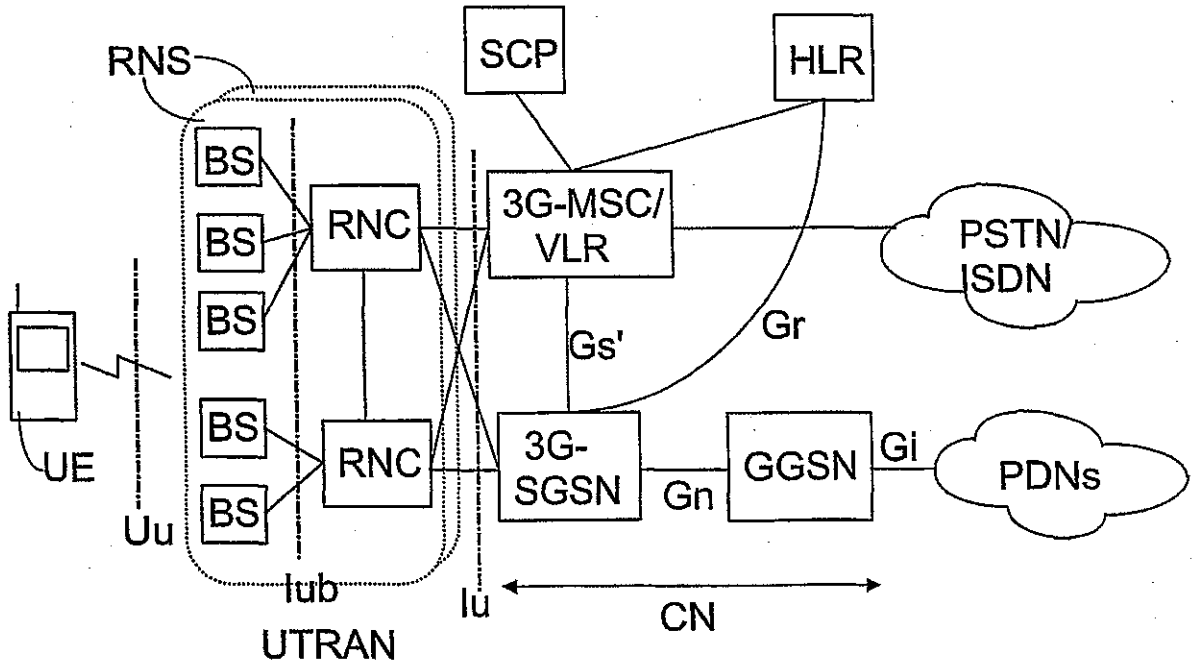


FIG. 3

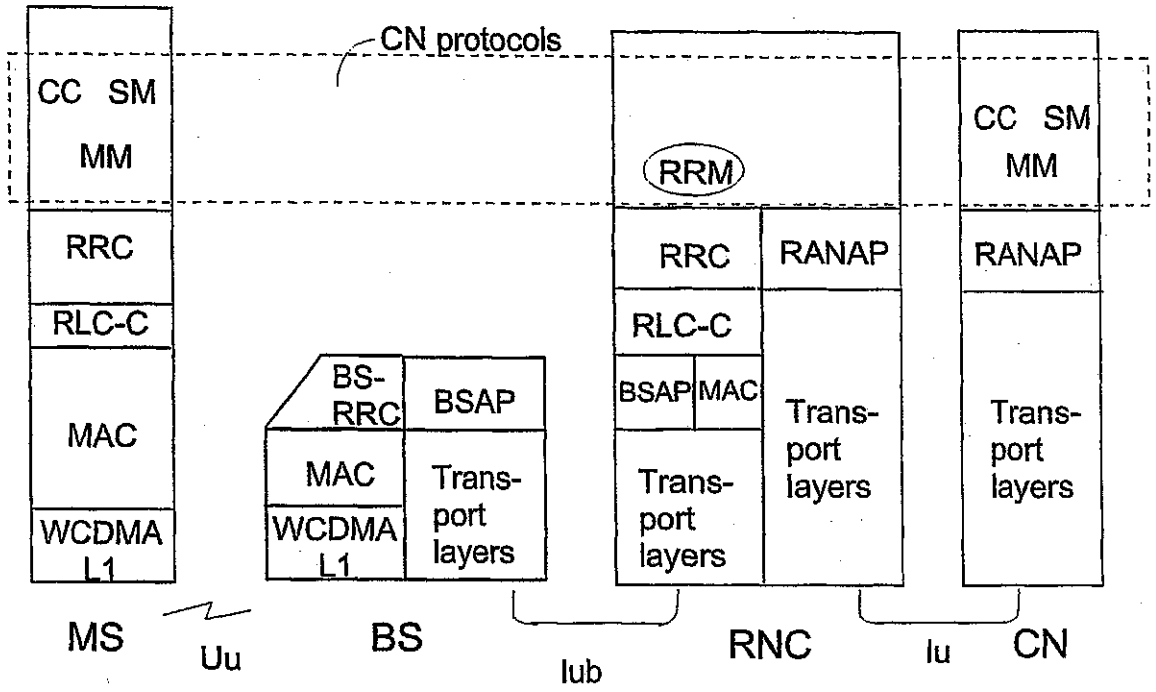

CN protocols
CC SM
MM
RRC
RLC-C
MAC
WCDMA L1
BS-RRC
BSAP
MAC
WCDMA L1
Trans-port layers
RRM
RRC
RANAP
RLC-C
BSAP
MAC
Trans-port layers
Trans-port layers
CC SM
MM
RANAP
Trans-port layers
MS
Uu
BS
Iub
RNC
Iu
CN

FIG. 4a

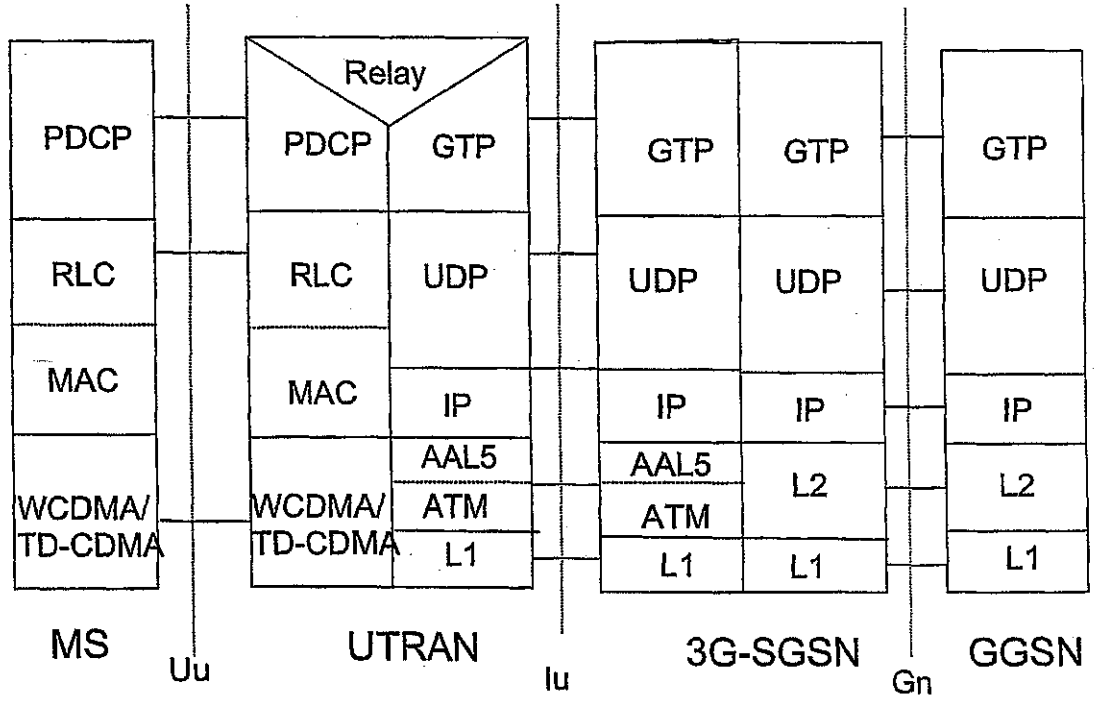

PDCP
RLC
MAC
WCDMA/ TD-CDMA
Relay
PDCP
GTP
RLC
UDP
MAC
IP
AAL5
ATM
L1
WCDMA/ TD-CDMA
GTP
GTP
UDP
UDP
IP
IP
AAL5
ATM
L1
L2
L1
GTP
UDP
IP
L2
L1
MS
Uu
UTRAN
Iu
3G-SGSN
Gn
GGSN

FIG. 4b

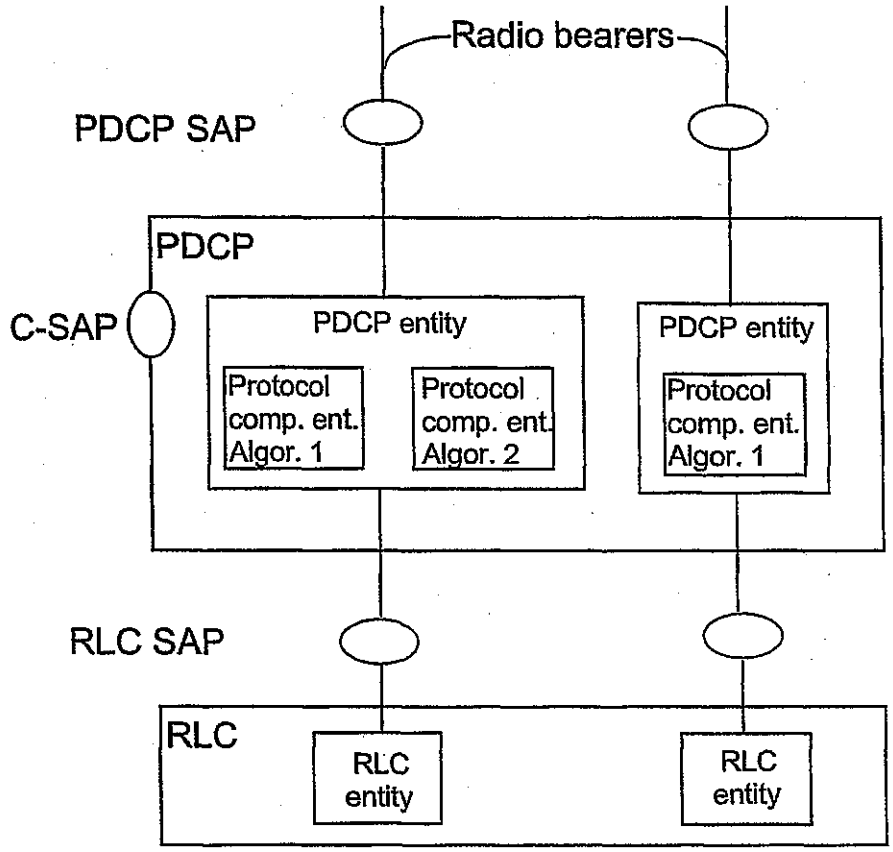

Radio bearers
PDCP SAP
PDCP
C-SAP
PDCP entity
Protocol comp. ent. Algor. 1
Protocol comp. ent. Algor. 2
PDCP entity
Protocol comp. ent. Algor. 1
RLC SAP
RLC
RLC entity
RLC entity

FIG. 5a

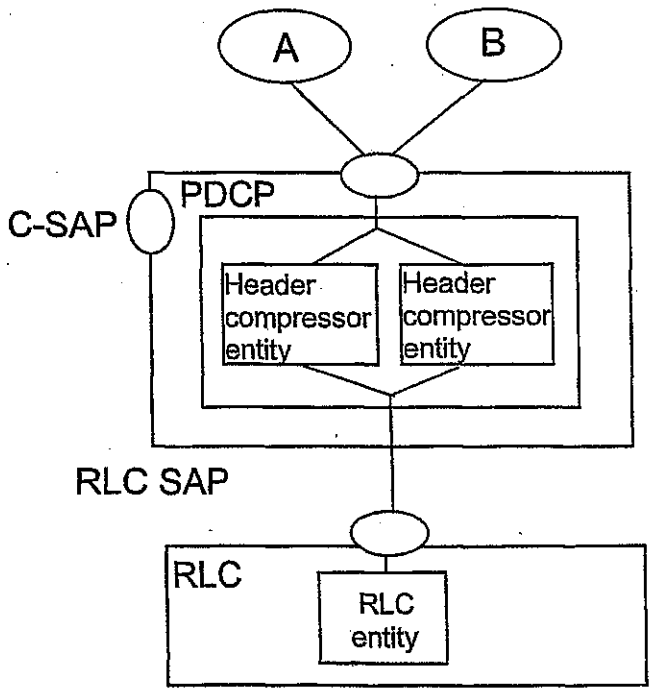

A
B
PDCP
C-SAP
Header compressor entity
Header compressor entity
RLC SAP
RLC
RLC entity

FIG. 5b

PID value	Optimisation method	Packet type
0	No header compression	-
1	RFC2507	Full header
2	RFC2507	Compressed TCP
3	RFC2507	Compressed TCP nondelta
4	RFC2507	Compressed non-TCP
5	RFC2507	
6	ROHC	CID length 0 bytes
7	ROHC	CID length 1 bytes
8	ROHC	CID length 2 bytes
9	...	...
...	Unassigned value	-

FIG. 6