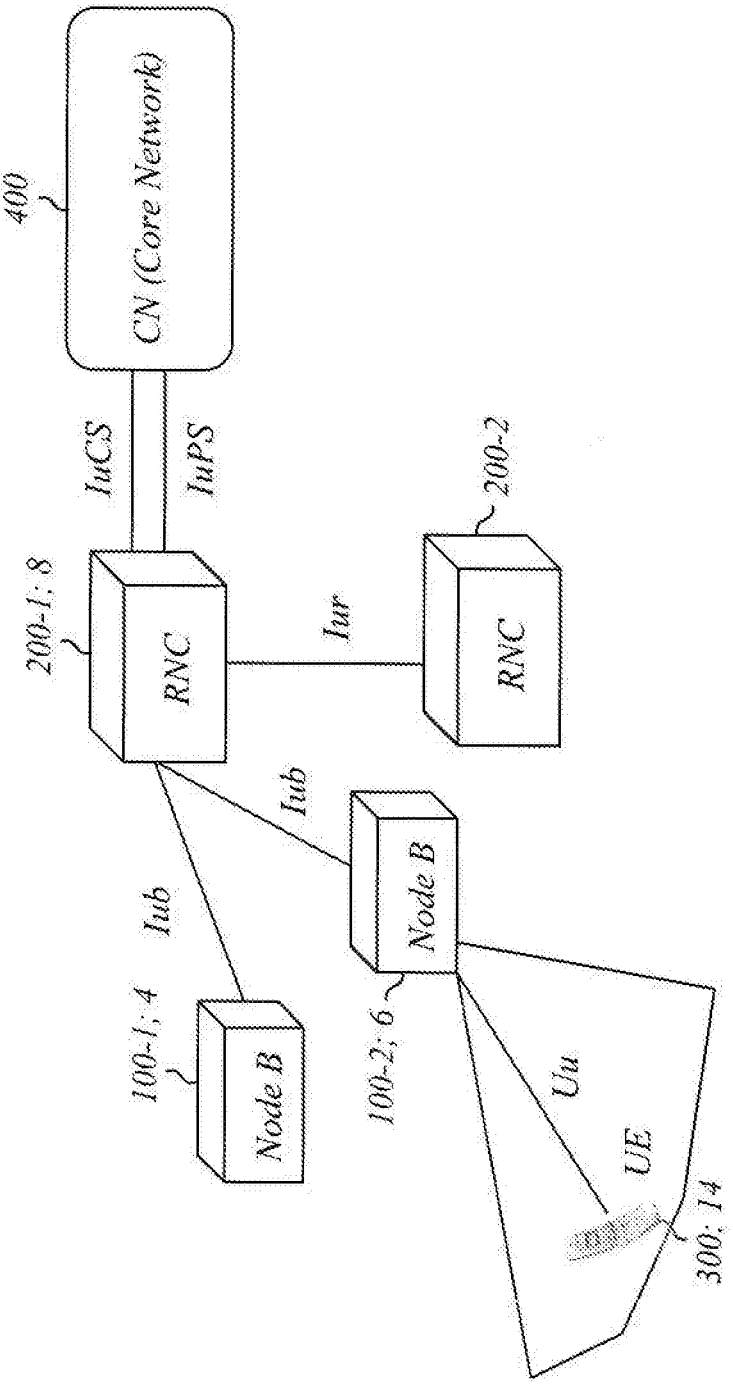

400
CN (Core Network)
IuCS
IuPS
200-1; 8
RNC
Iur
200-2
RNC
Iub
Iub
Node B
100-1; 4
Node B
100-2; 6
Uu
UE
300; 14

Fig. 1

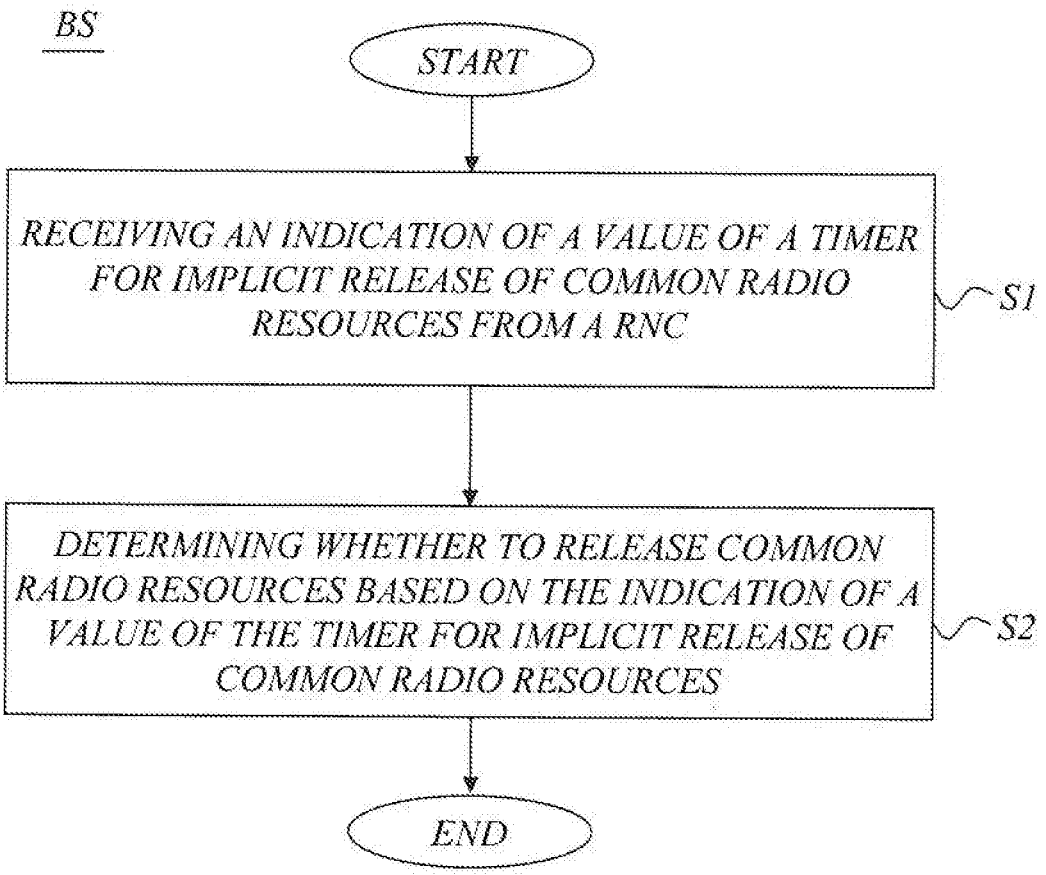

BS
START
RECEIVING AN INDICATION OF A VALUE OF A TIMER FOR IMPLICIT RELEASE OF COMMON RADIO RESOURCES FROM A RNC
S1
DETERMINING WHETHER TO RELEASE COMMON RADIO RESOURCES BASED ON THE INDICATION OF A VALUE OF THE TIMER FOR IMPLICIT RELEASE OF COMMON RADIO RESOURCES
S2
END

Fig. 2

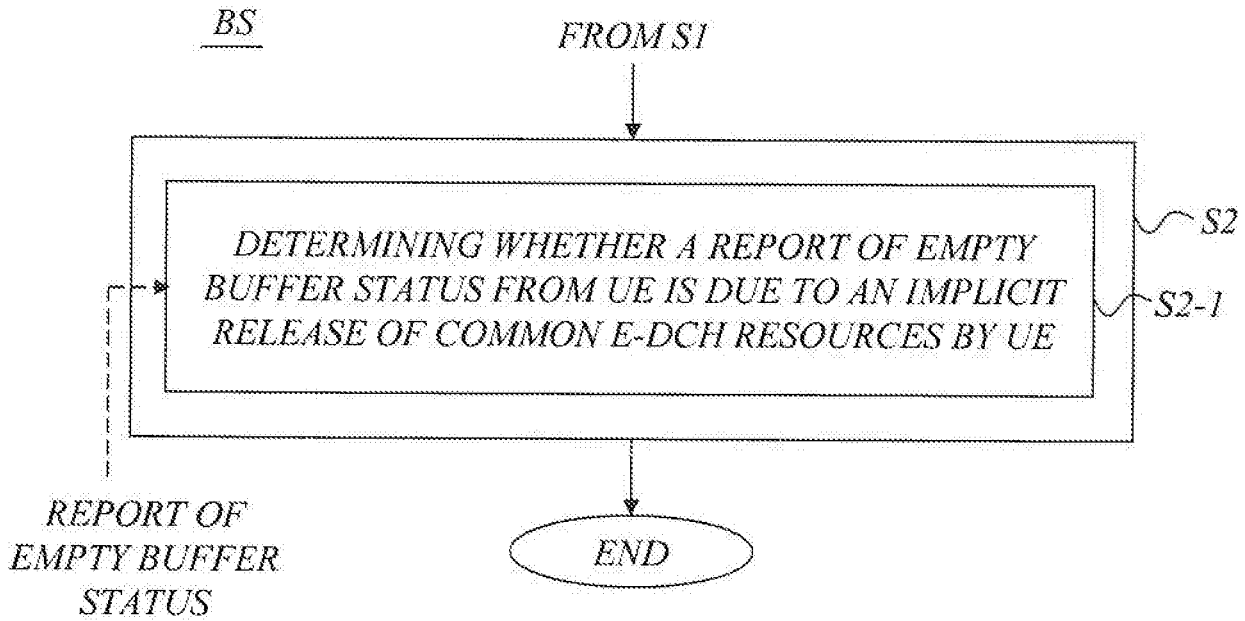

BS
FROM S1
DETERMINING WHETHER A REPORT OF EMPTY BUFFER STATUS FROM UE IS DUE TO AN IMPLICIT RELEASE OF COMMON E-DCH RESOURCES BY UE
S2
S2-1
REPORT OF EMPTY BUFFER STATUS
END

Fig. 3

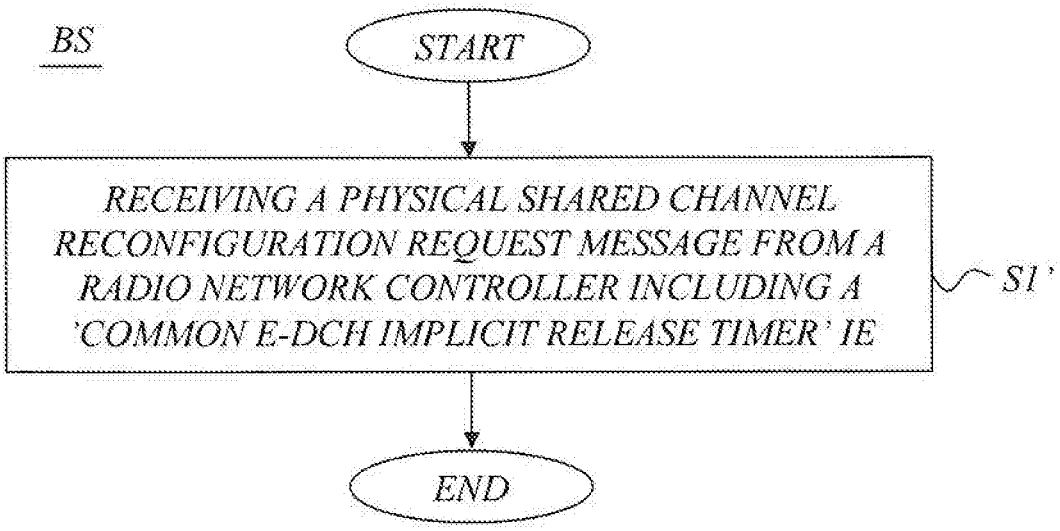

BS
START
RECEIVING A PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST MESSAGE FROM A RADIO NETWORK CONTROLLER INCLUDING A 'COMMON E-DCH IMPLICIT RELEASE TIMER' IE
S1'
END

Fig. 4

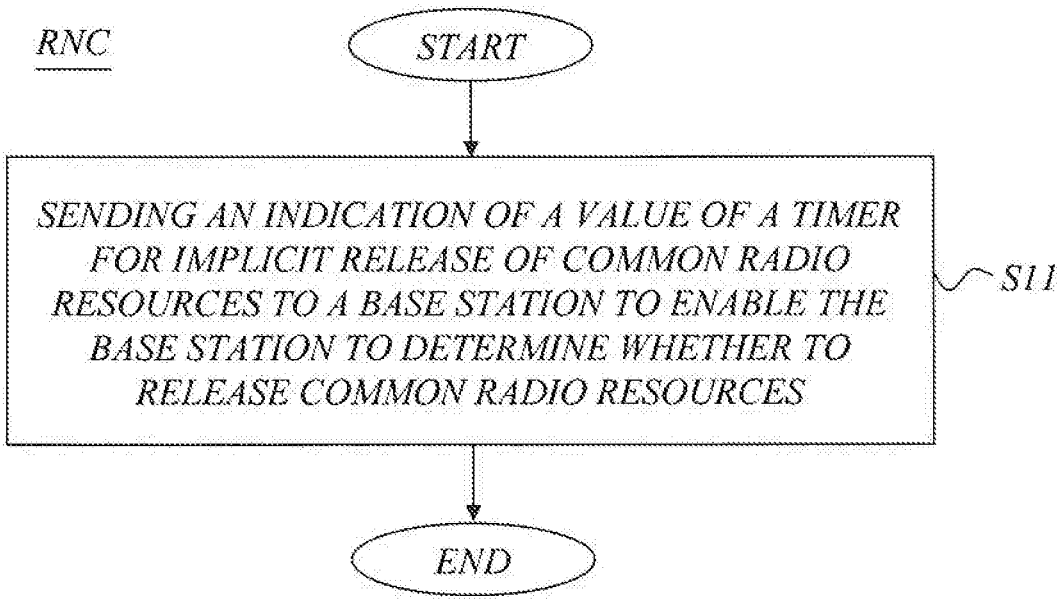

RNC
START
SENDING AN INDICATION OF A VALUE OF A TIMER FOR IMPLICIT RELEASE OF COMMON RADIO RESOURCES TO A BASE STATION TO ENABLE THE BASE STATION TO DETERMINE WHETHER TO RELEASE COMMON RADIO RESOURCES
S11
END

Fig. 5

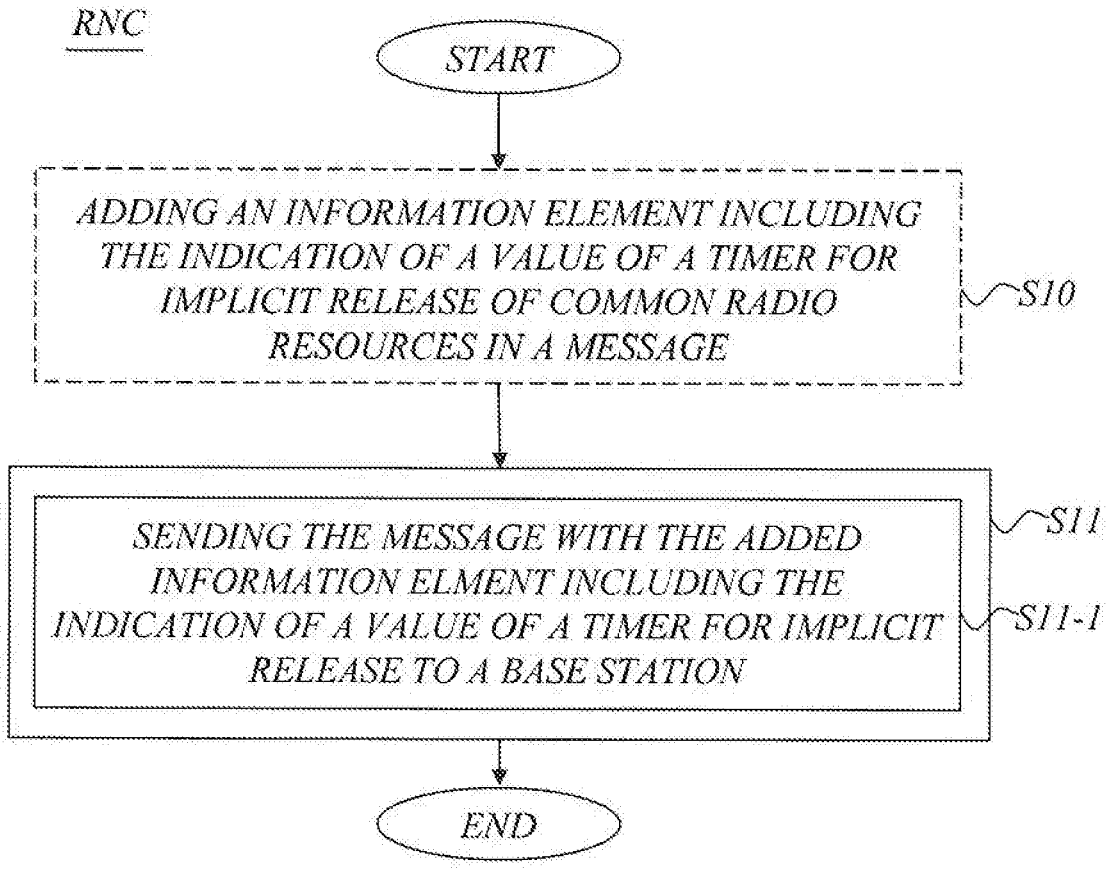

RNC
START
ADDING AN INFORMATION ELEMENT INCLUDING THE INDICATION OF A VALUE OF A TIMER FOR IMPLICIT RELEASE OF COMMON RADIO RESOURCES IN A MESSAGE
S10
SENDING THE MESSAGE WITH THE ADDED INFORMATION ELMENT INCLUDING THE INDICATION OF A VALUE OF A TIMER FOR IMPLICIT RELEASE TO A BASE STATION
S11
S11-1
END

Fig. 6

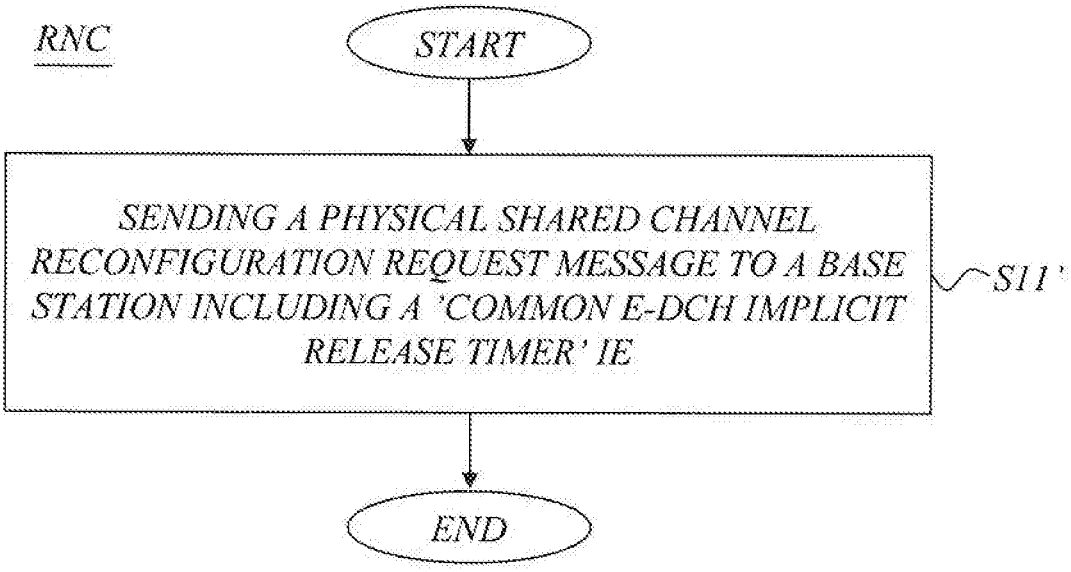

RNC
START
SENDING A PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST MESSAGE TO A BASE STATION INCLUDING A 'COMMON E-DCH IMPLICIT RELEASE TIMER' IE
S11'
END

Fig. 7

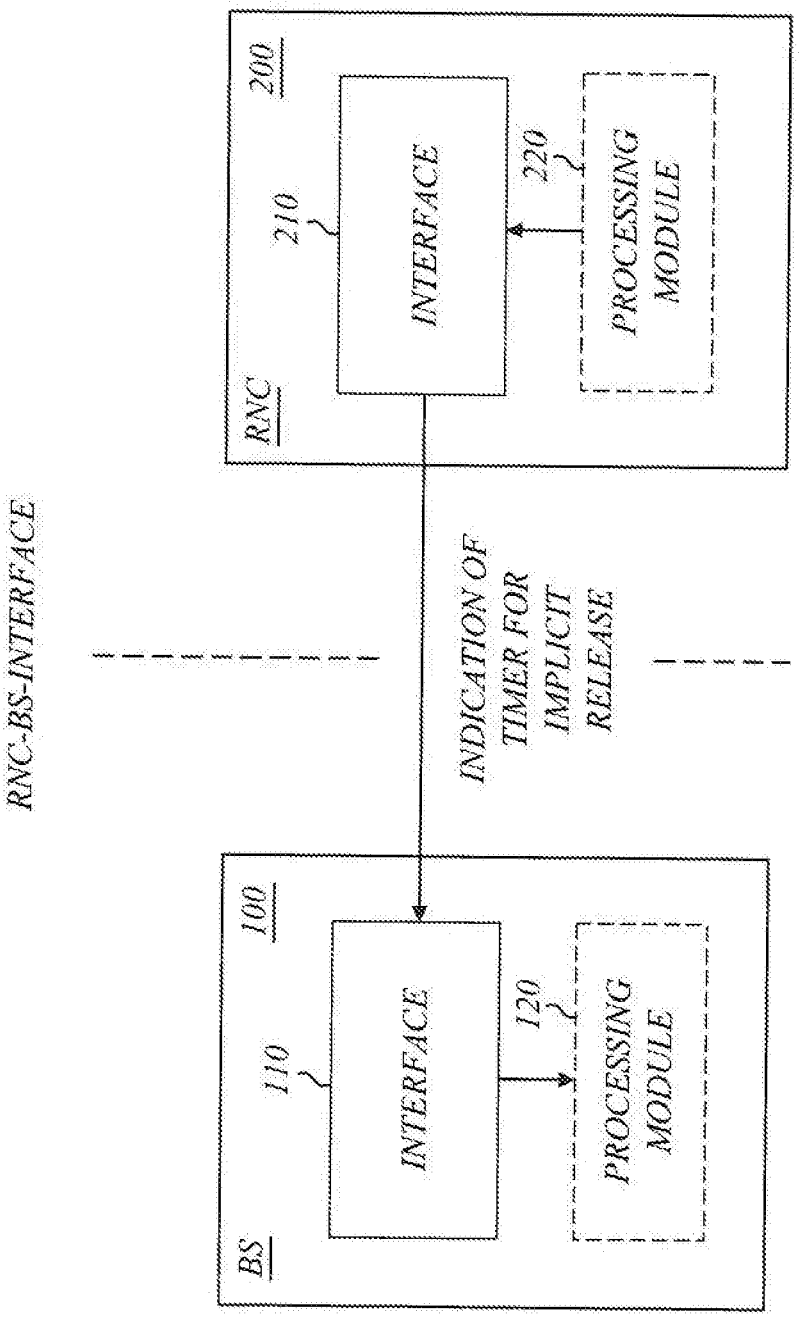

RNC
200
210
INTERFACE
220
PROCESSING MODULE
RNC-BS-INTERFACE
INDICATION OF TIMER FOR IMPLICIT RELEASE
BS
100
110
INTERFACE
120
PROCESSING MODULE

Fig. 8

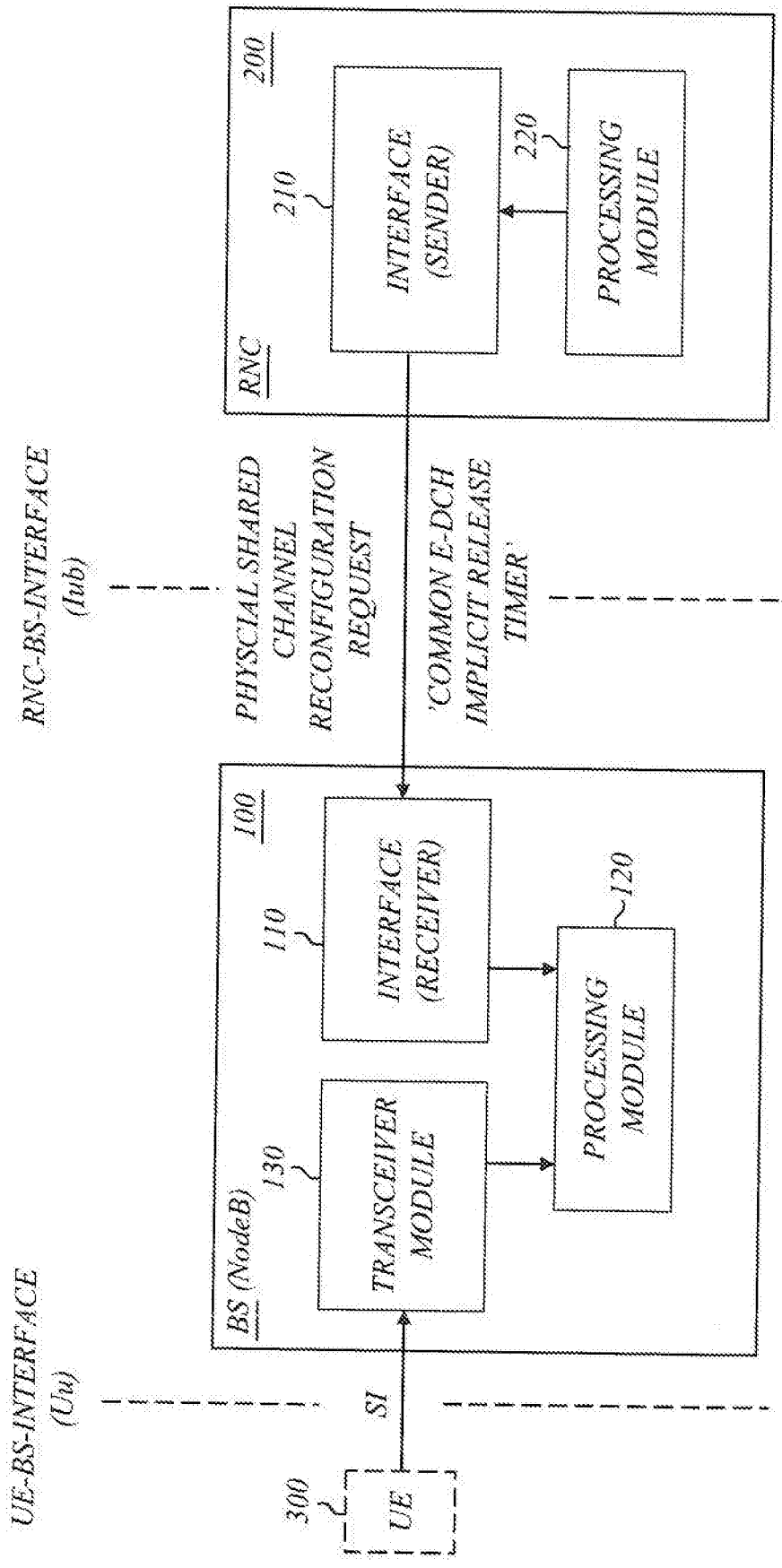
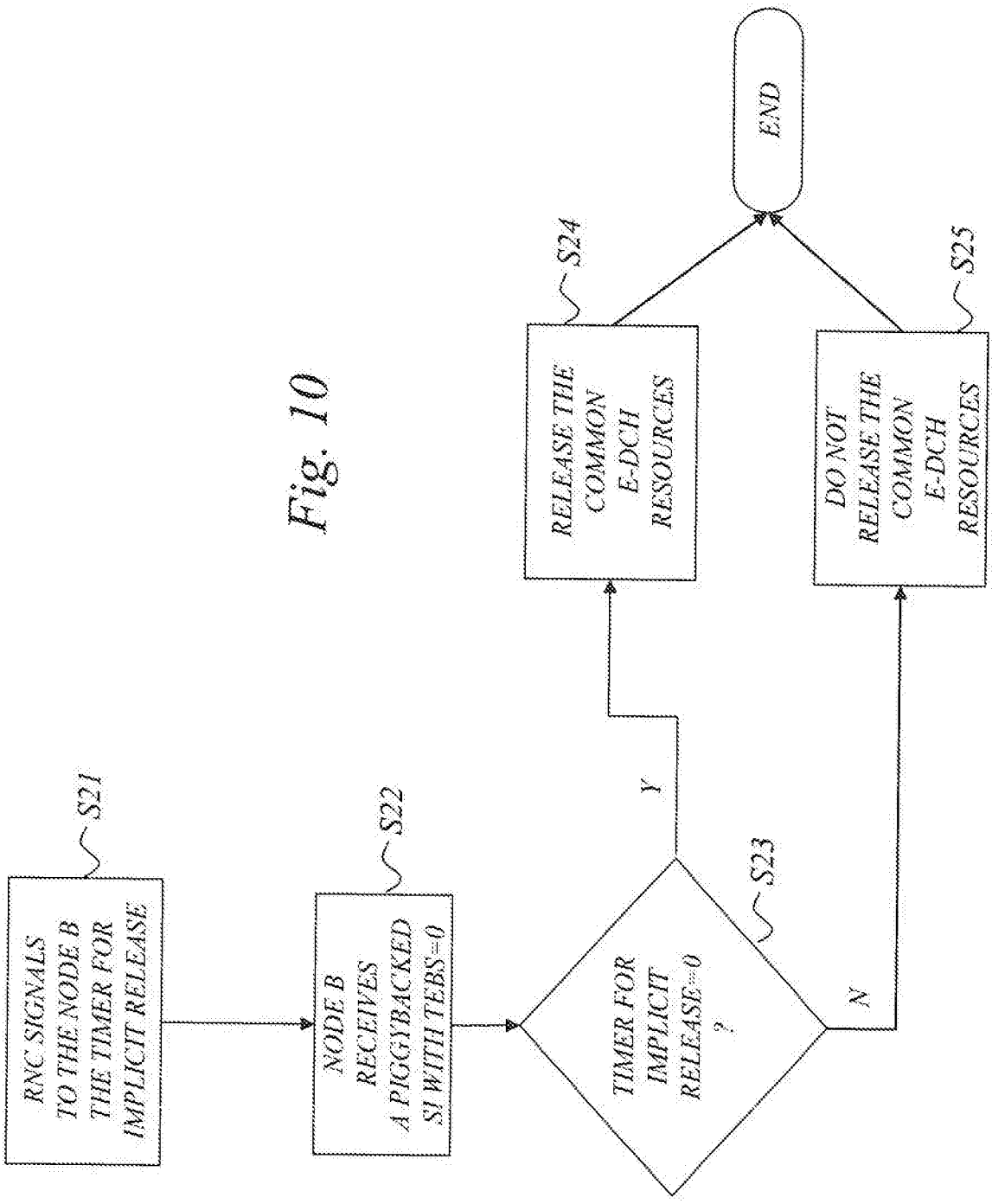

RNC
200
210
INTERFACE (SENDER)
220
PROCESSING MODULE
RNC-BS-INTERFACE (Iub)
PHYSCIAL SHARED CHANNEL RECONFIGURATION REQUEST
'COMMON E-DCH IMPLICIT RELEASE TIMER'
BS (NodeB)
100
110
INTERFACE (RECEIVER)
120
PROCESSING MODULE
130
TRANSCEIVER MODULE
UE-BS-INTERFACE (Uu)
SI
300
UE

Fig. 9

Fig. 10


RNC SIGNALS TO THE NODE B THE TIMER FOR IMPLICIT RELEASE
S21
NODE B RECEIVES A PIGGYBACKED SI WITH TEBS=0
S22
TIMER FOR IMPLICIT RELEASE=0 ?
S23
Y
N
RELEASE THE COMMON E-DCH RESOURCES
S24
DO NOT RELEASE THE COMMON E-DCH RESOURCES
S25
END

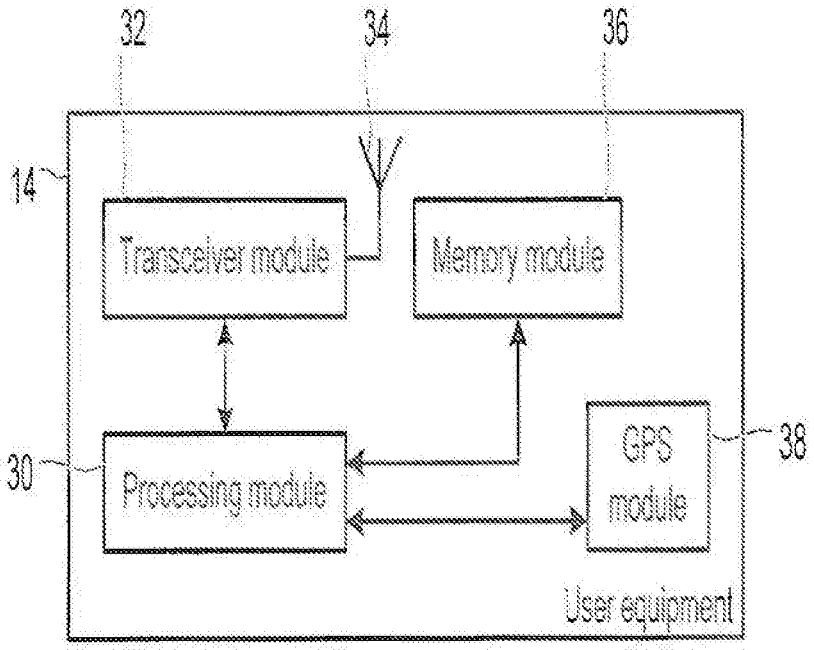

32
34
36
14
Transceiver module
Memory module
30
Processing module
GPS module
38
User equipment

Fig. 11

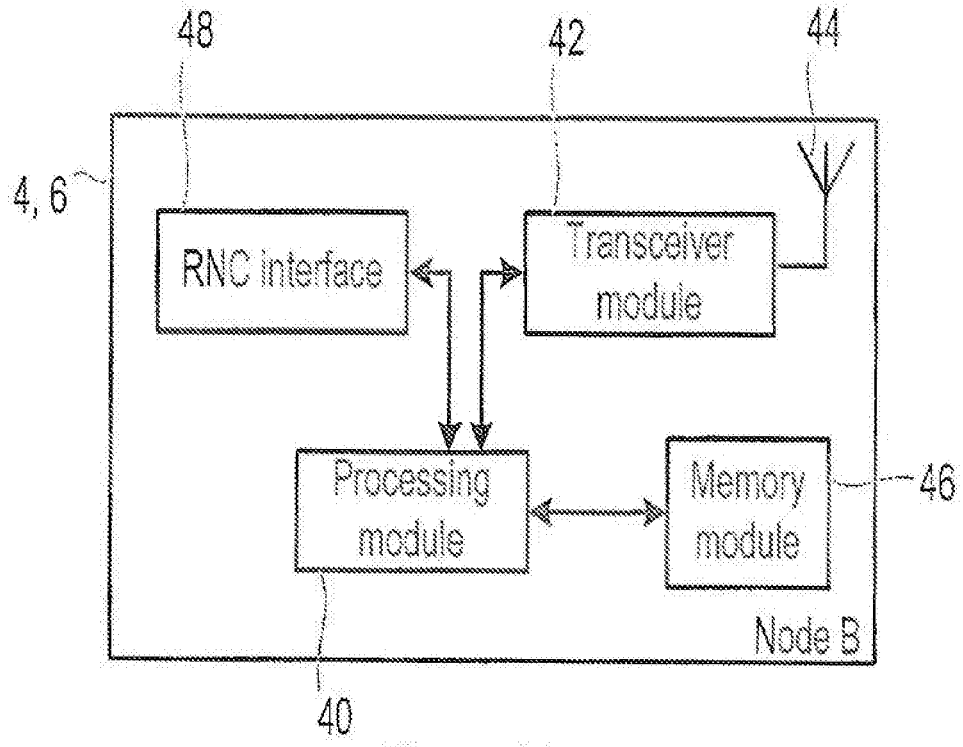

48
42
44
4, 6
RNC interface
Transceiver module
Processing module
Memory module
46
Node B
40

Fig. 12

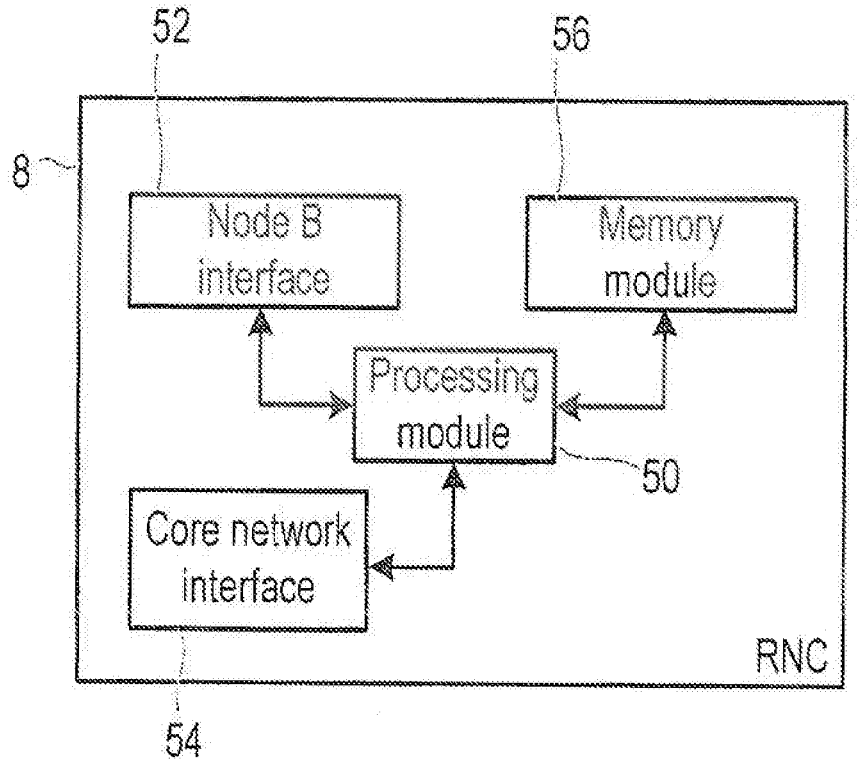

52
56
8
Node B interface
Memory module
Processing module
50
Core network interface
RNC
54

Fig. 13