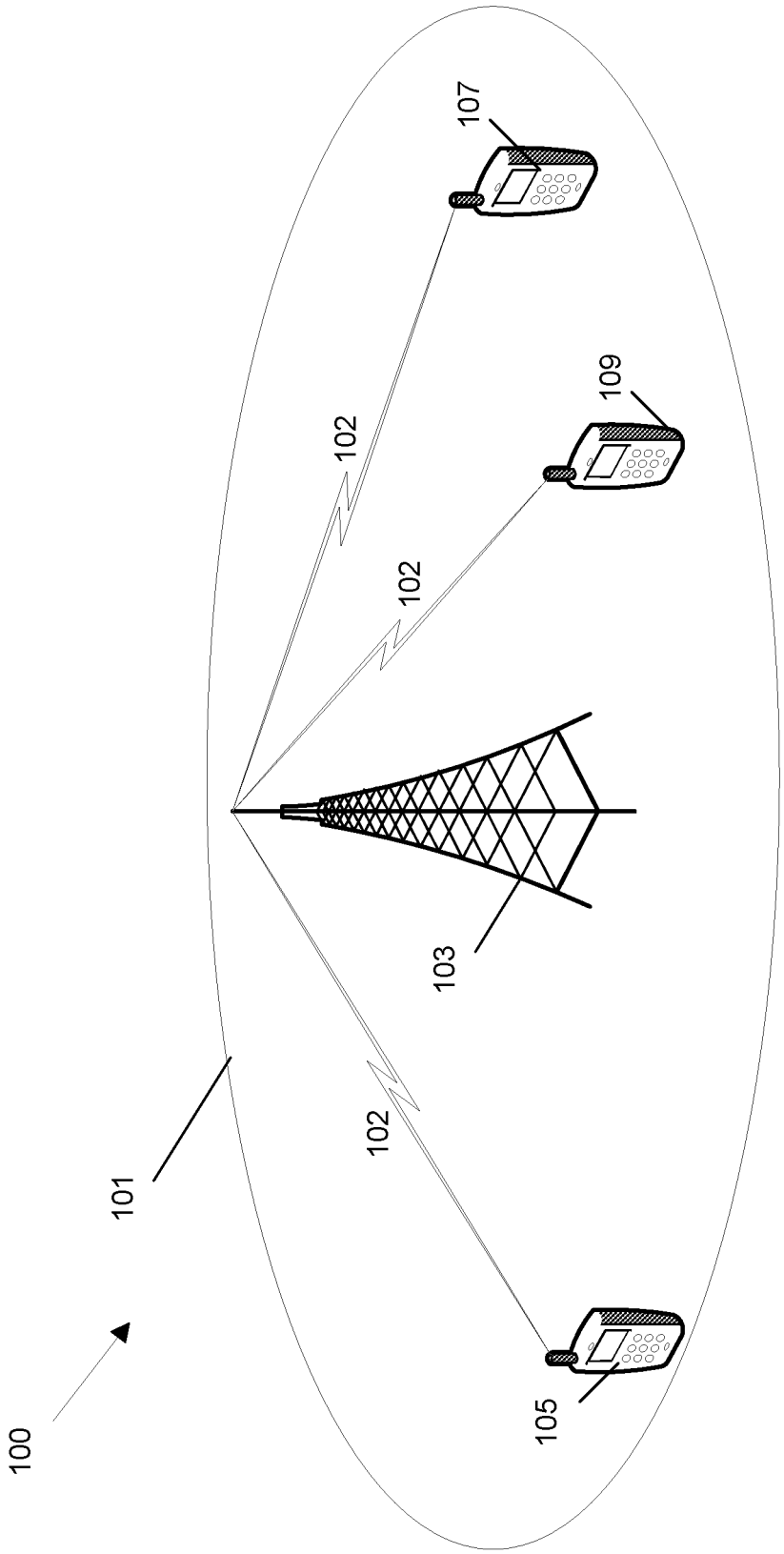


Fig. 1

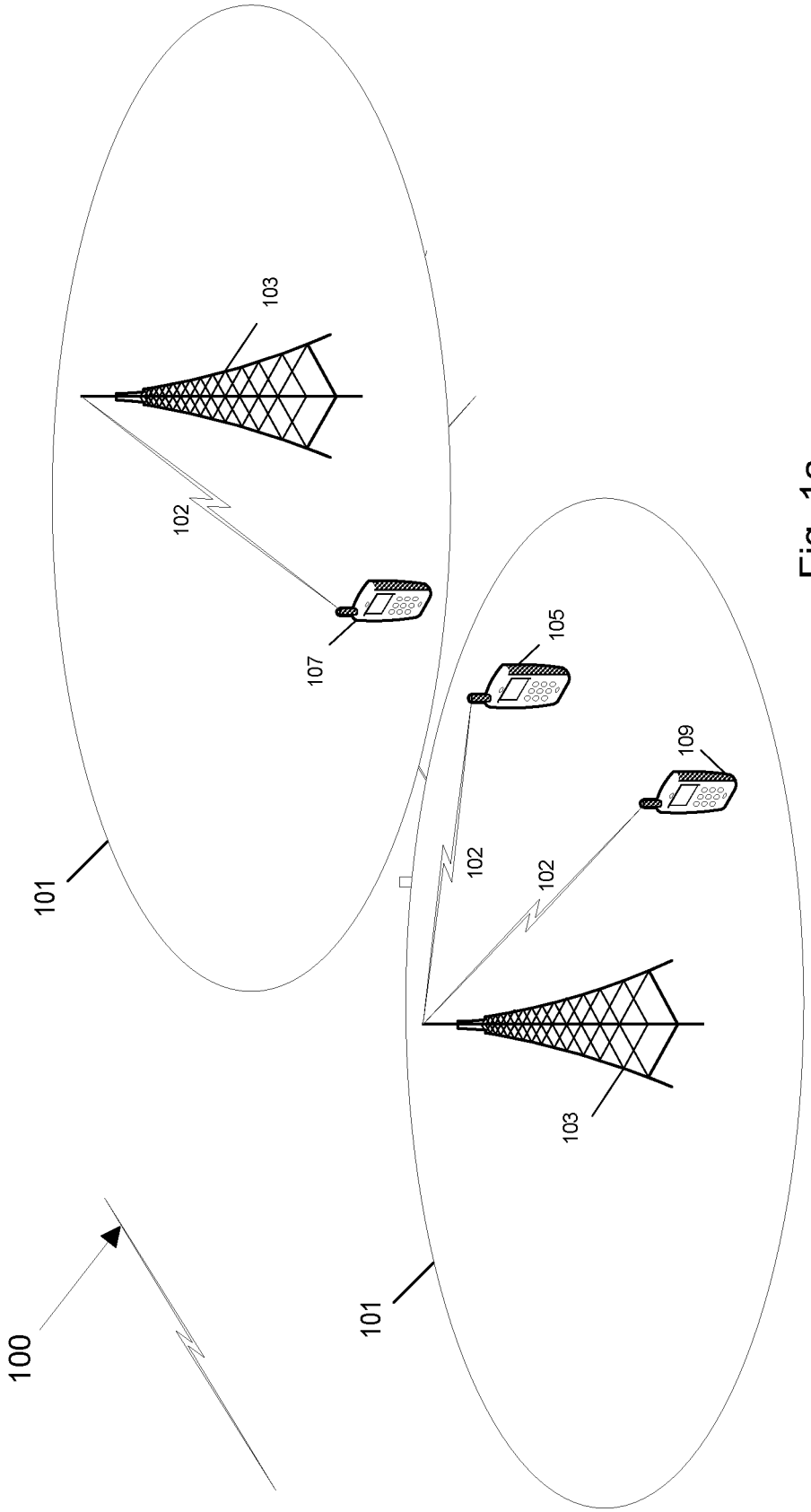


Fig. 1a

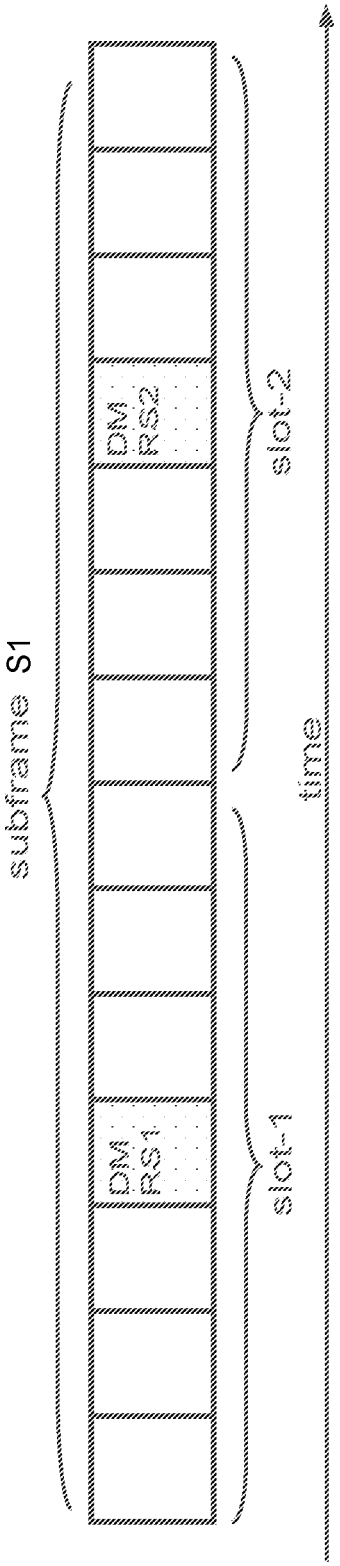


Fig. 2

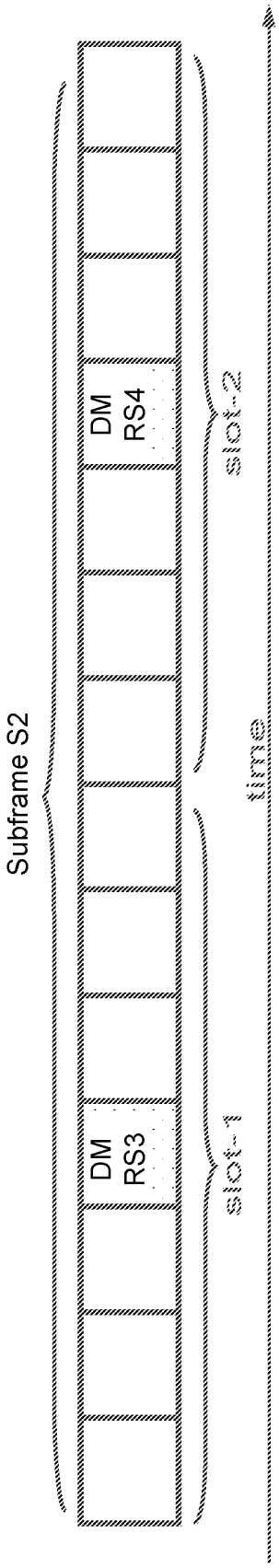


Fig. 3

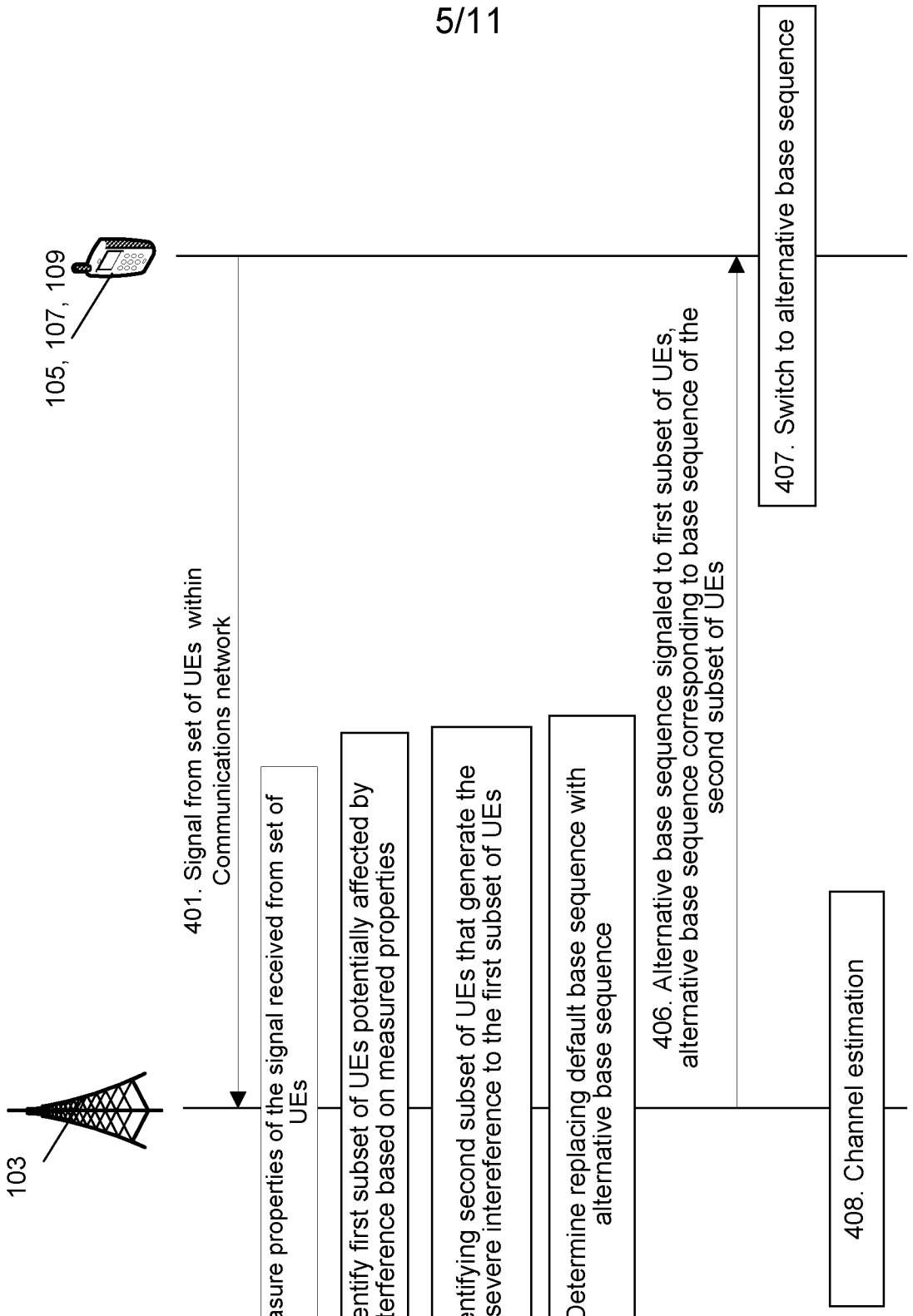

105, 107, 109
103
401. Signal from set of UEs within Communications network
402. Measure properties of the signal received from set of UEs
403. Identify first subset of UEs potentially affected by interference based on measured properties
404. Identifying second subset of UEs that generate the most severe intereference to the first subset of UEs
405. Determine replacing default base sequence with alternative base sequence
406. Alternative base sequence signaled to first subset of UEs, alternative base sequence corresponding to base sequence of the second subset of UEs
407. Switch to alternative base sequence
408. Channel estimation

Fig. 4

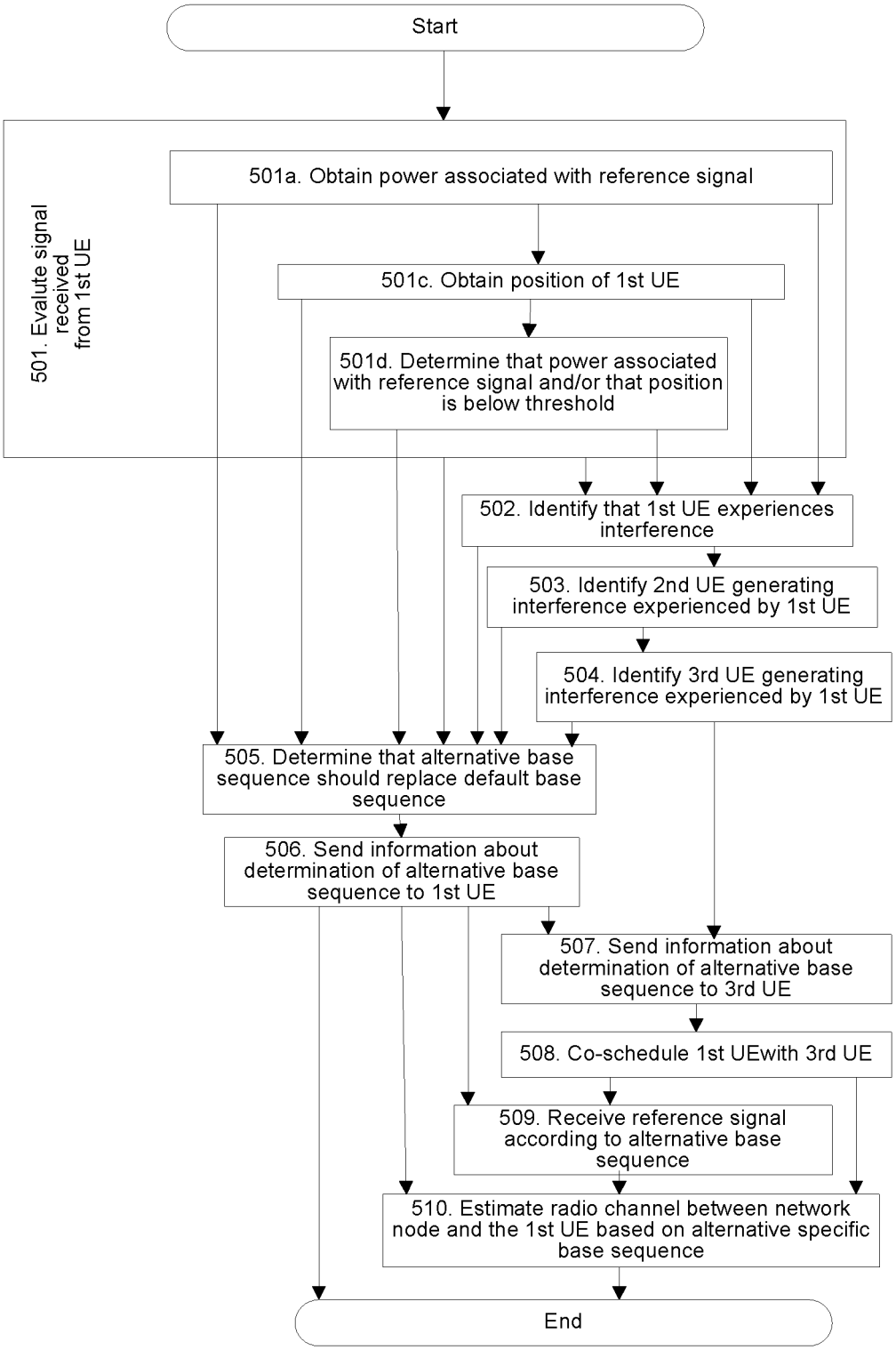

Start
501. Evalute signal received from 1st UE
501a. Obtain power associated with reference signal
501c. Obtain position of 1st UE
501d. Determine that power associated with reference signal and/or that position is below threshold
502. Identify that 1st UE experiences interference
503. Identify 2nd UE generating interference experienced by 1st UE
504. Identify 3rd UE generating interference experienced by 1st UE
505. Determine that alternative base sequence should replace default base sequence
506. Send information about determination of alternative base sequence to 1st UE
507. Send information about determination of alternative base sequence to 3rd UE
508. Co-schedule 1st UEwith 3rd UE
509. Receive reference signal according to alternative base sequence
510. Estimate radio channel between network node and the 1st UE based on alternative specific base sequence
End

Fig. 5

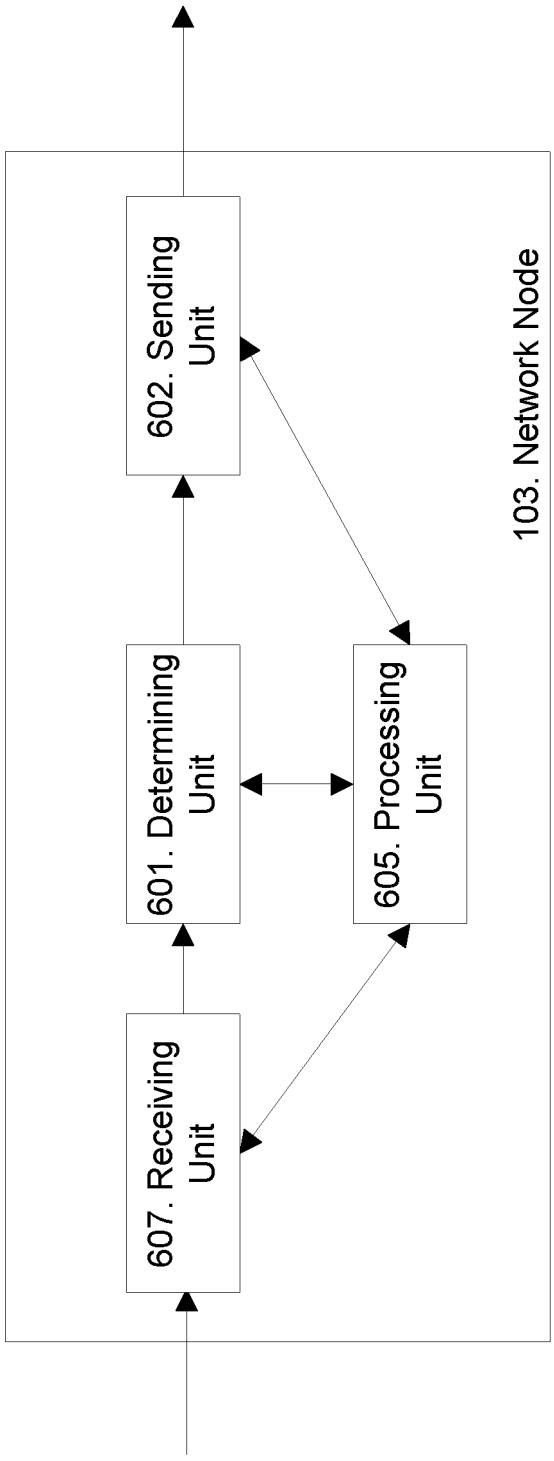

103. Network Node
602. Sending Unit
601. Determining Unit
605. Processing Unit
607. Receiving Unit

Fig. 6

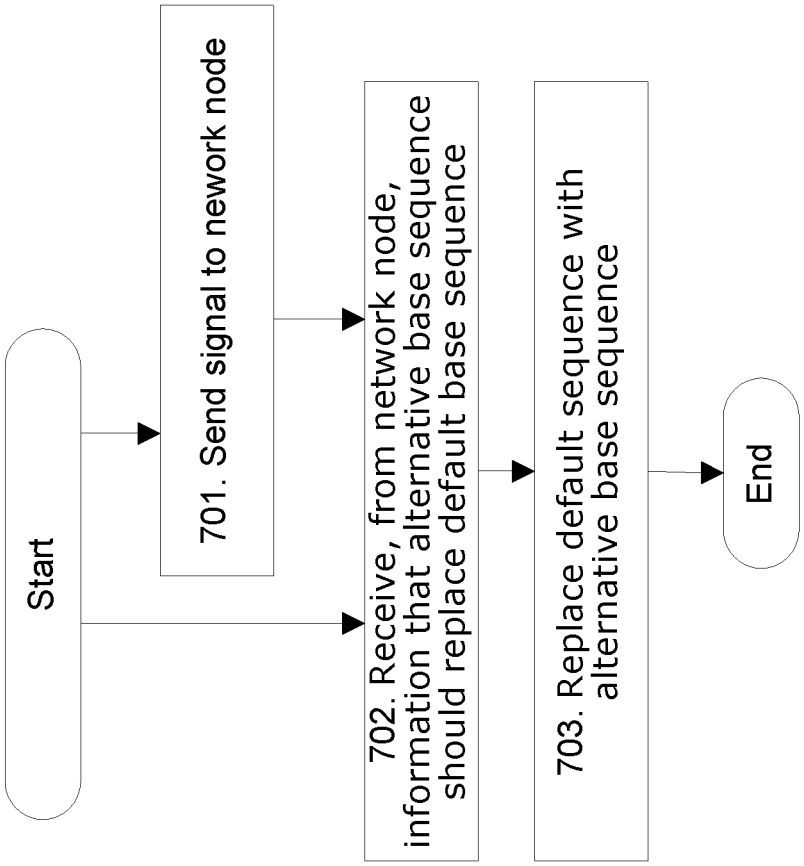

Start
701. Send signal to nework node
702. Receive, from network node, information that alternative base sequence should replace default base sequence
703. Replace default sequence with alternative base sequence
End

Fig. 7

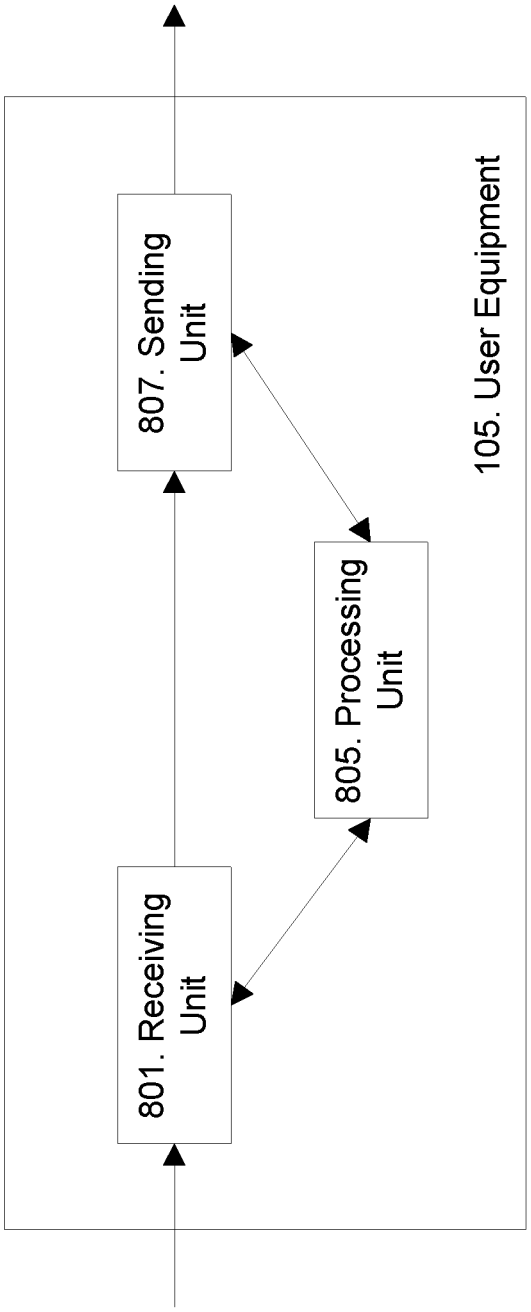

105. User Equipment
807. Sending Unit
805. Processing Unit
801. Receiving Unit

Fig. 8

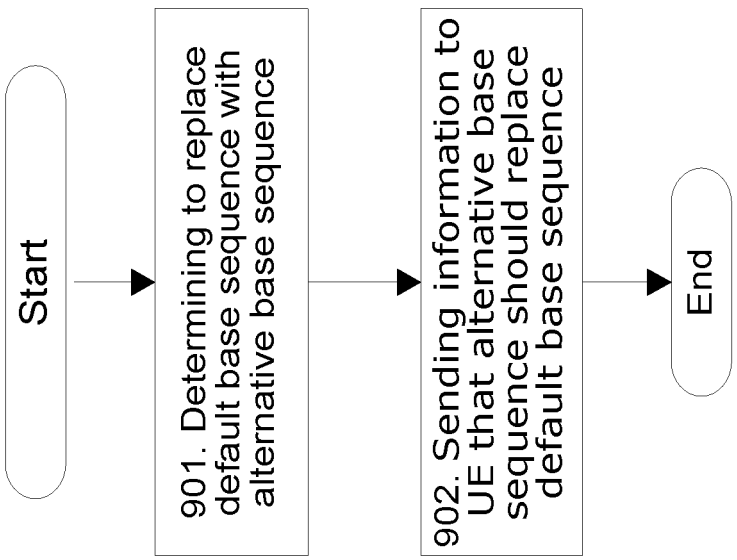

Start
901. Determining to replace default base sequence with alternative base sequence
902. Sending information to UE that alternative base sequence should replace default base sequence
End

Fig. 9

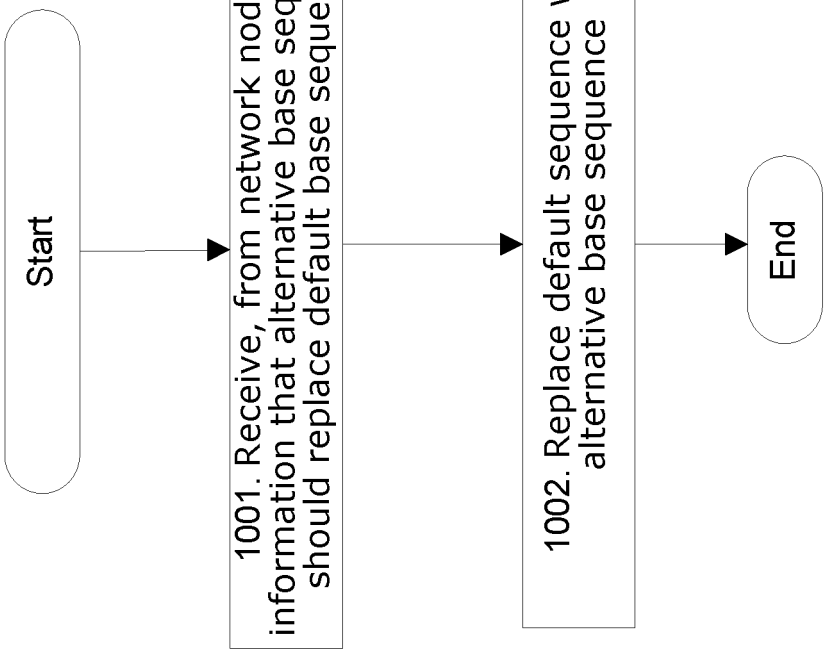

Start
1001. Receive, from network node, information that alternative base sequence should replace default base sequence
1002. Replace default sequence with alternative base sequence
End

Fig. 10