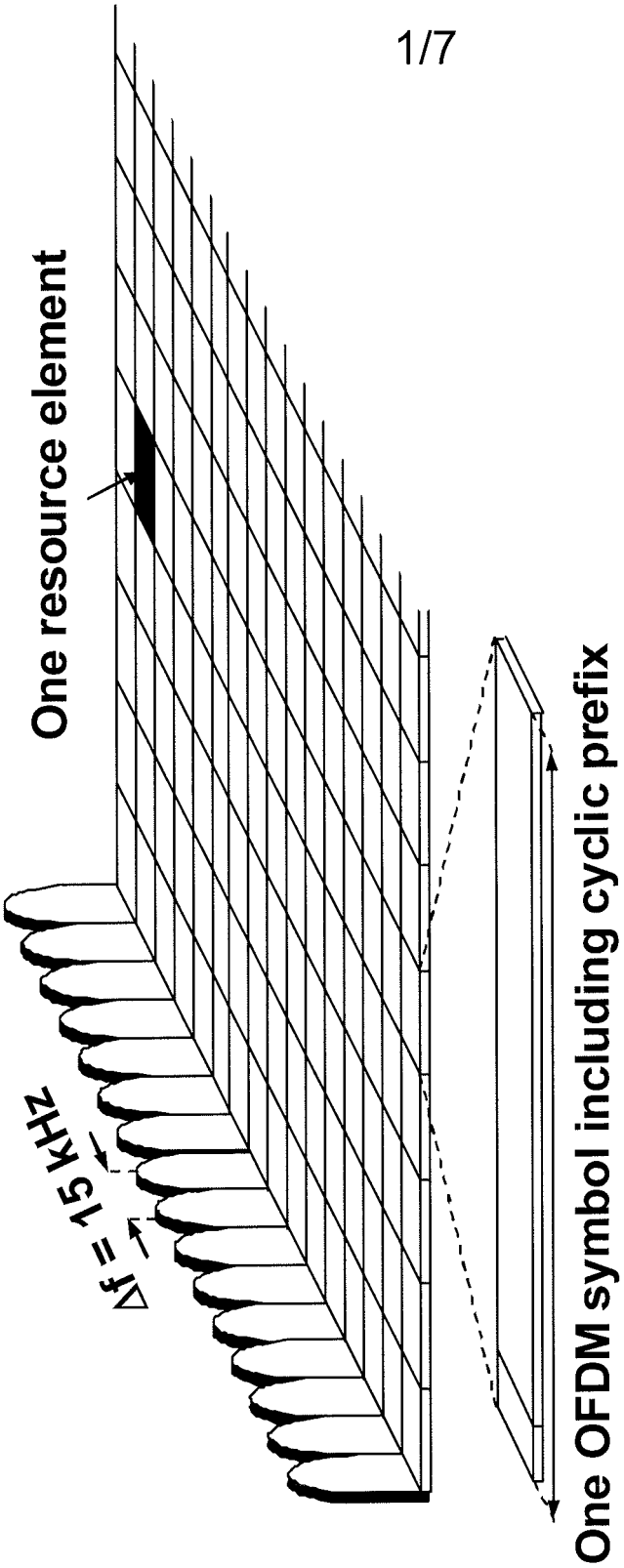

One resource element
Δf = 15 kHz
One OFDM symbol including cyclic prefix

Fig. 1

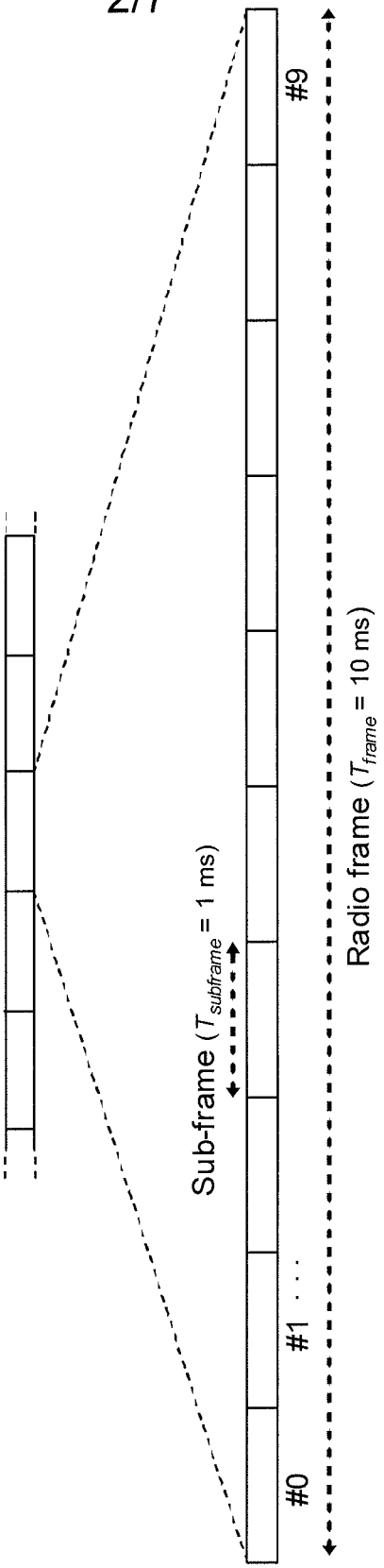


Fig. 2

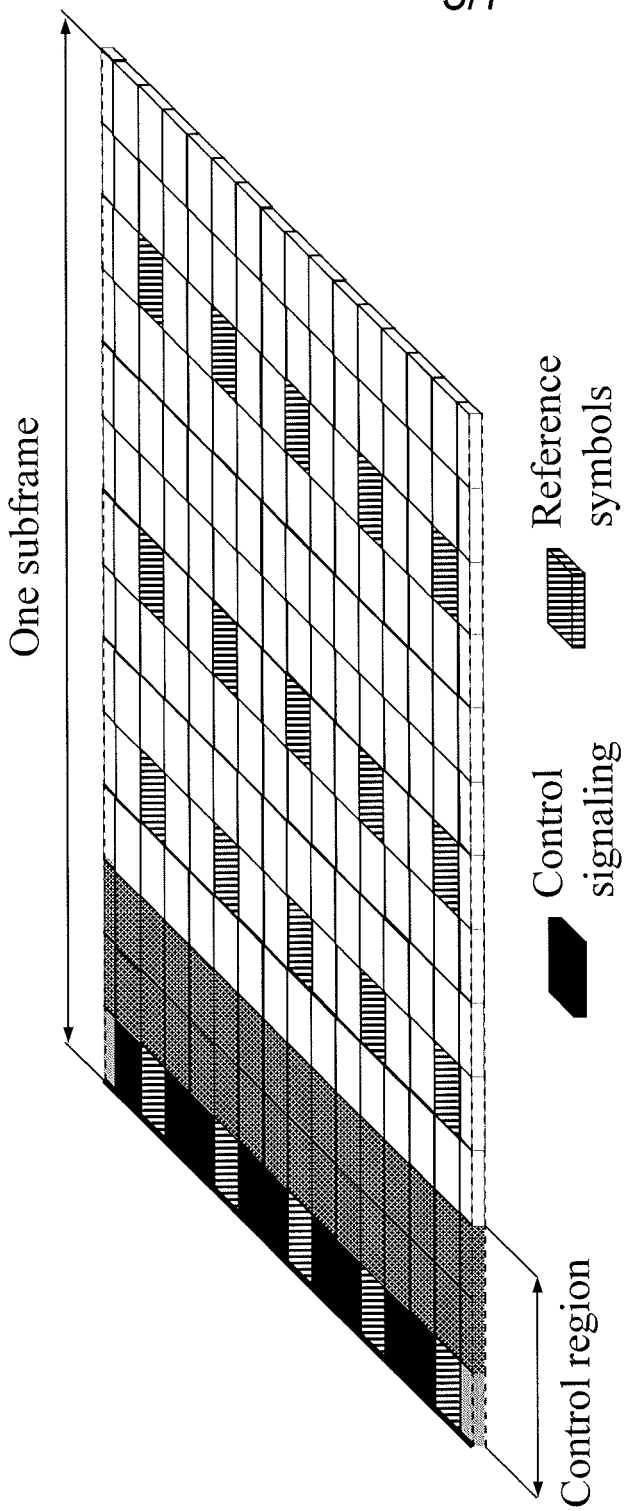

One subframe
Reference symbols
Control signaling
Control region

Fig. 3

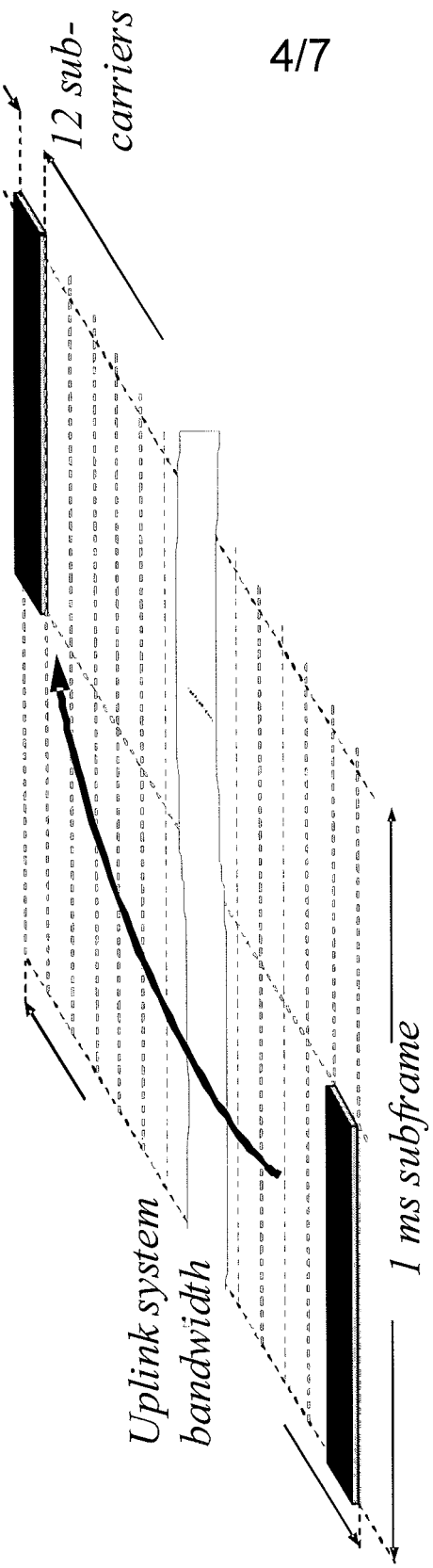


Fig. 4

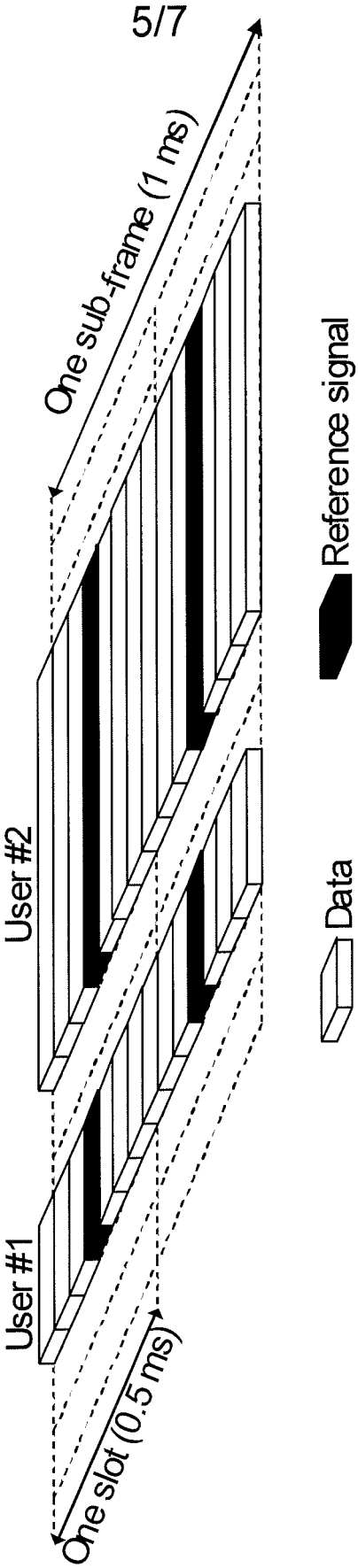

One sub-frame (1 ms)
Reference signal
Data
User #2
User #1
One slot (0.5 ms)

Fig. 5

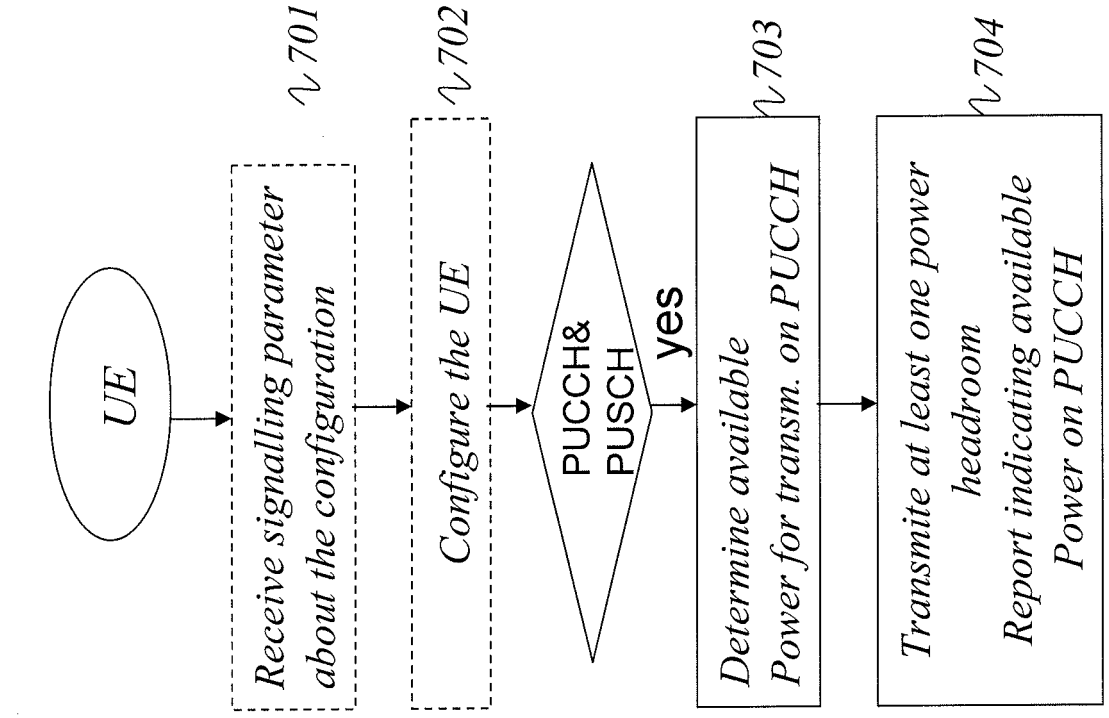

UE
Receive signalling parameter about the configuration
701
Configure the UE
702
PUCCH& PUSCH
yes
Determine available Power for transm. on PUCCH
703
Transmite at least one power headroom Report indicating available Power on PUCCH
704

Fig. 7

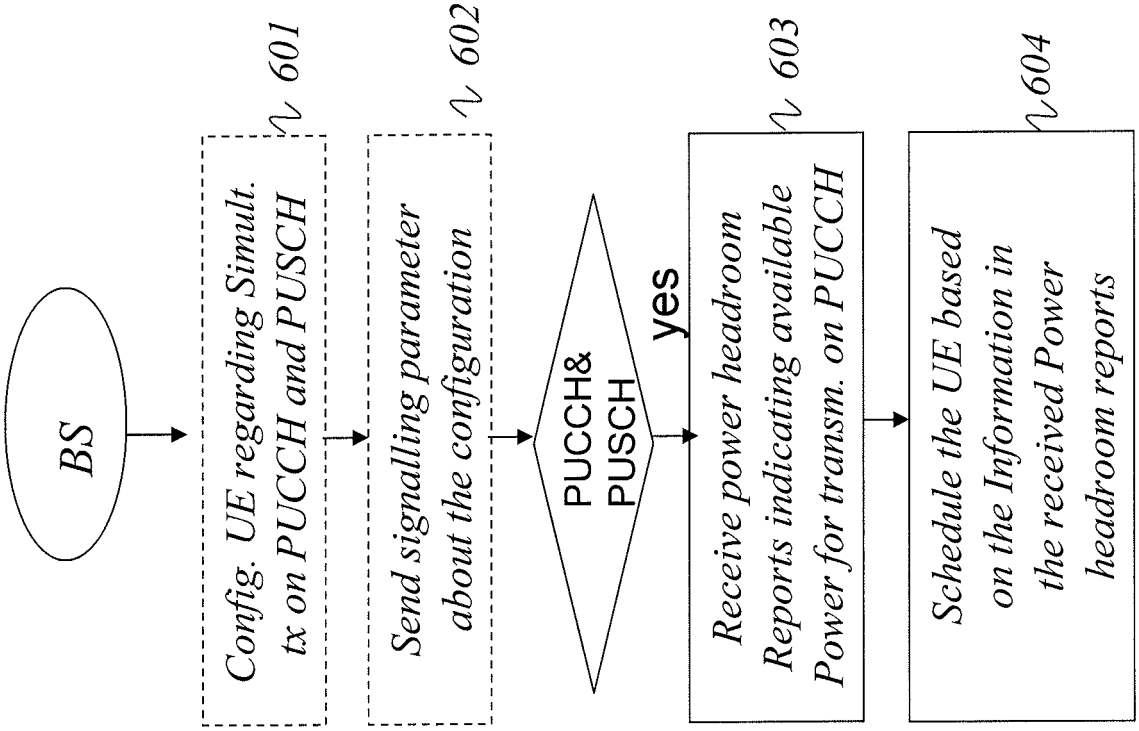

BS
Config. UE regarding Simult. tx on PUCCH and PUSCH
601
Send signalling parameter about the configuration
602
PUCCH& PUSCH
yes
Receive power headroom Reports indicating available Power for transm. on PUCCH
603
Schedule the UE based on the Information in the received Power headroom reports
604

Fig. 6

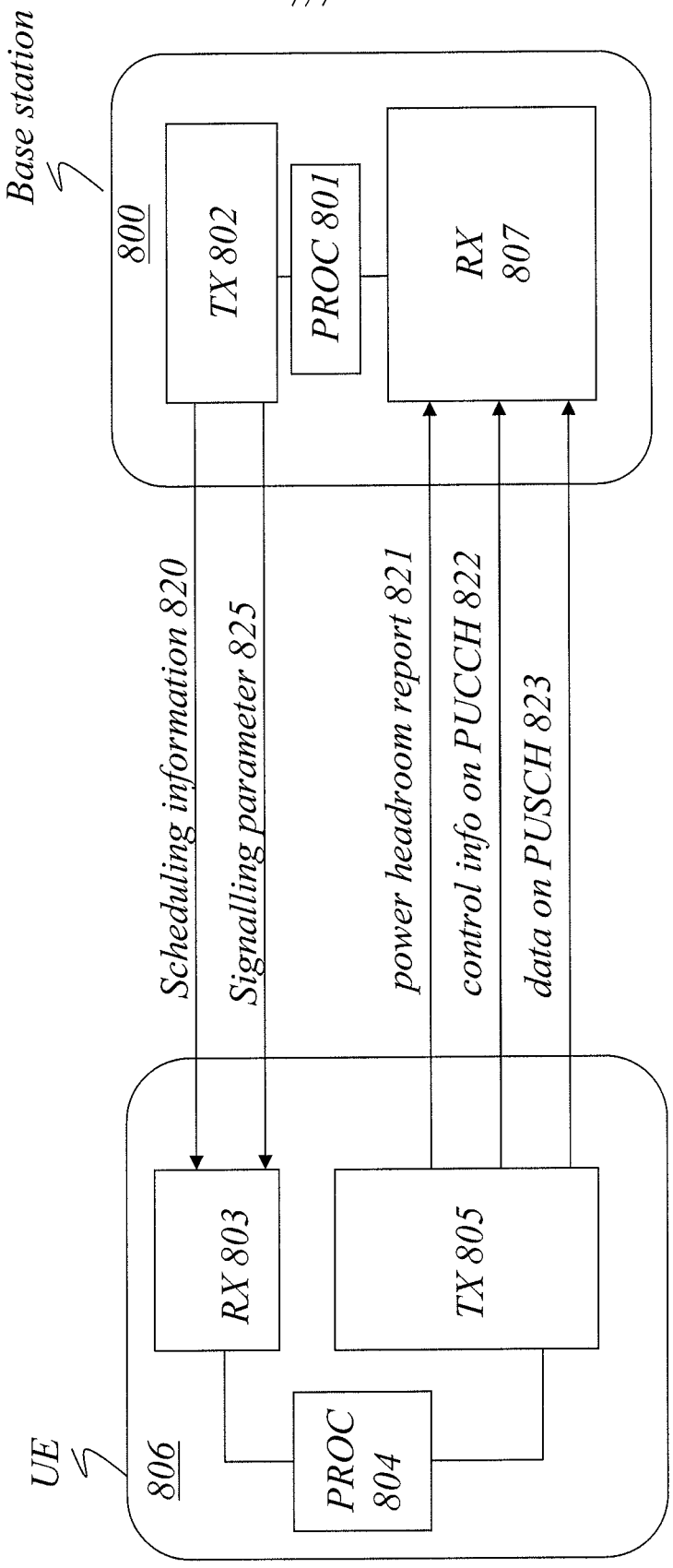

Base station
800
TX 802
PROC 801
RX 807
Scheduling information 820
Signalling parameter 825
power headroom report 821
control info on PUCCH 822
data on PUSCH 823
UE
806
RX 803
TX 805
PROC 804

Fig. 8