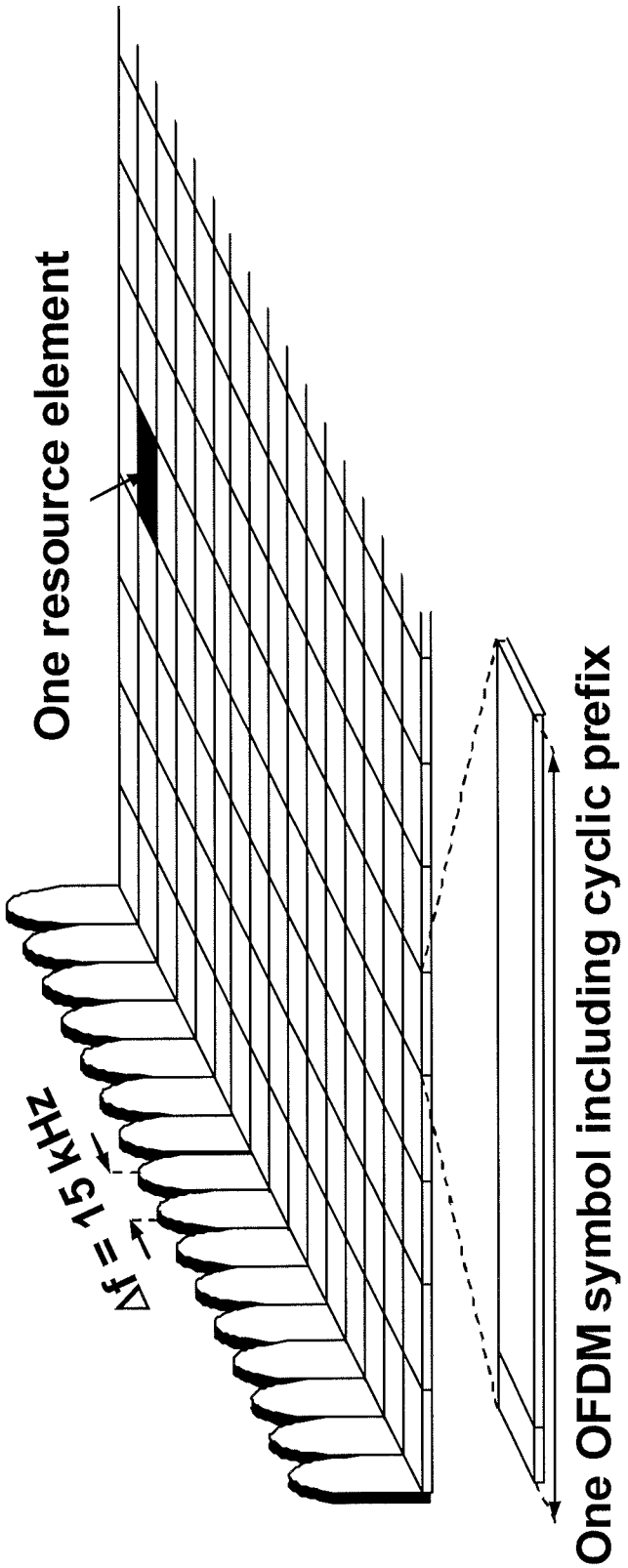

One resource element
Δf = 15 kHz
One OFDM symbol including cyclic prefix

Fig. 1

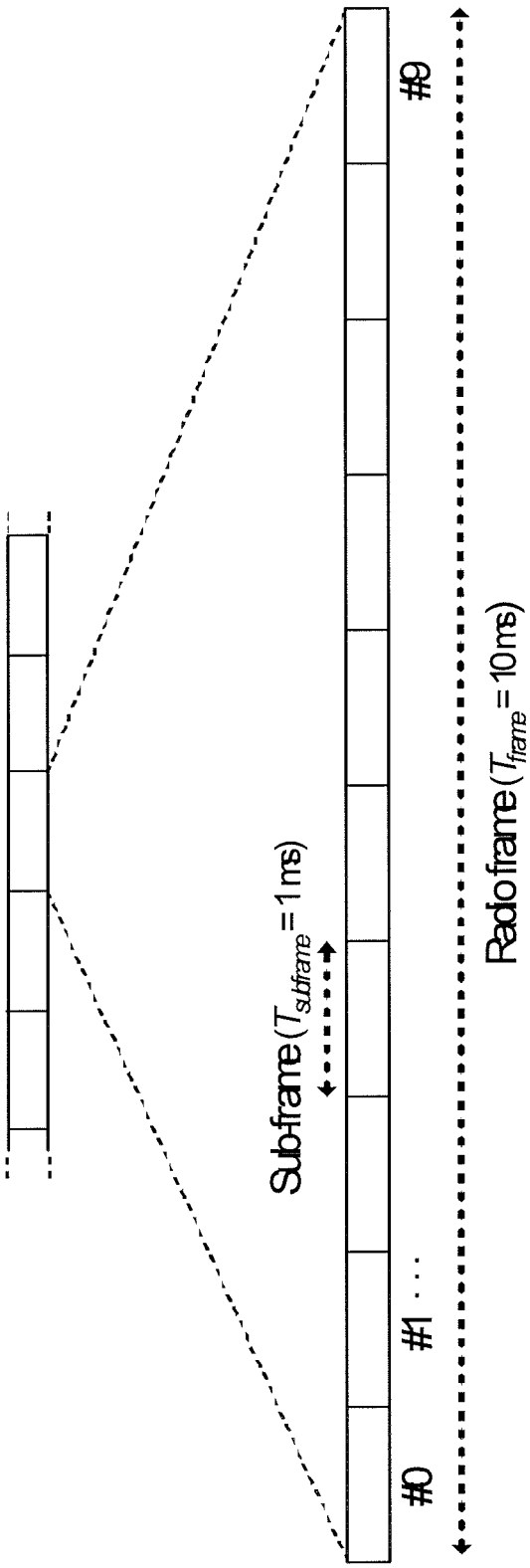


Fig. 2

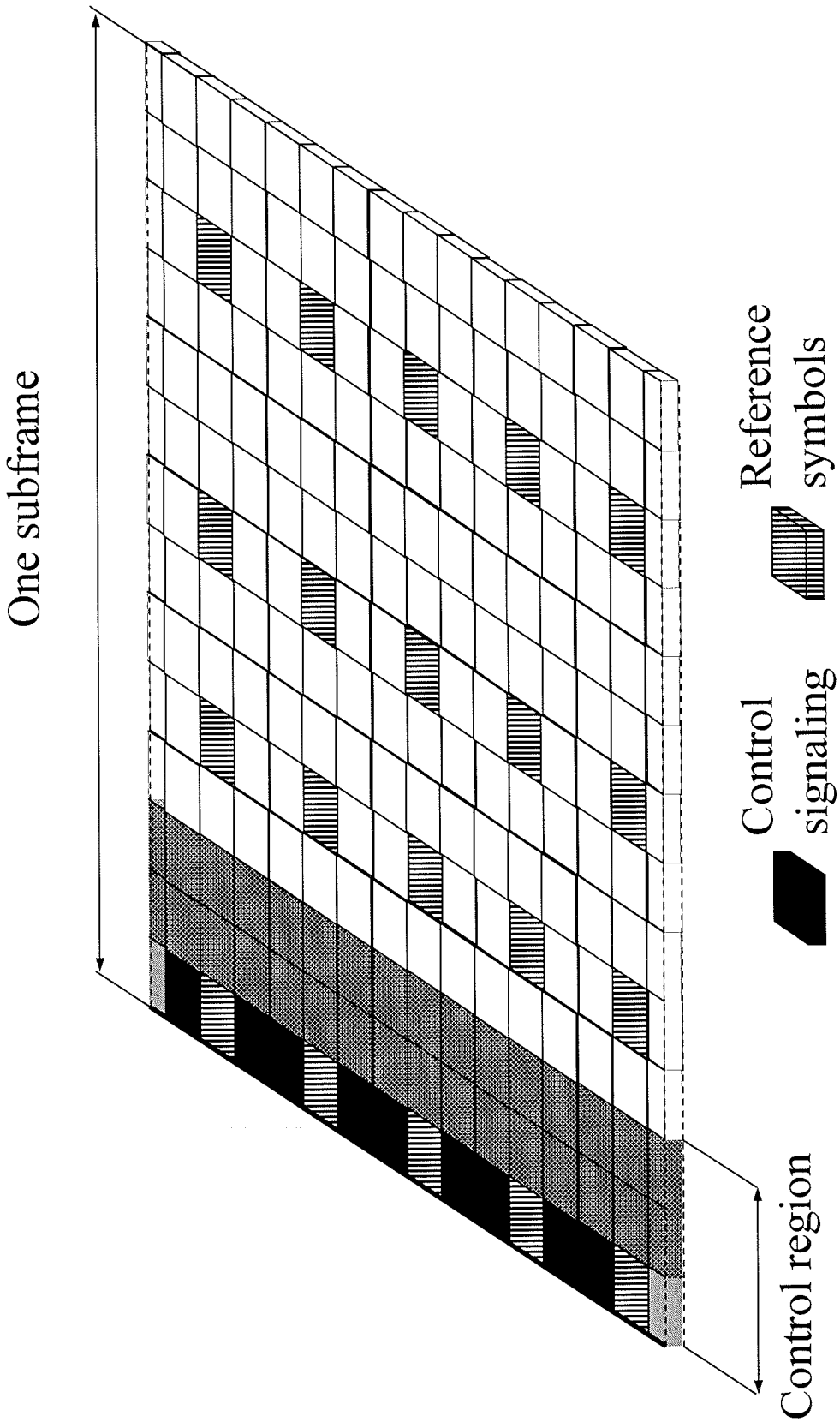

One subframe
Control region
Control signaling
Reference symbols

Fig. 3

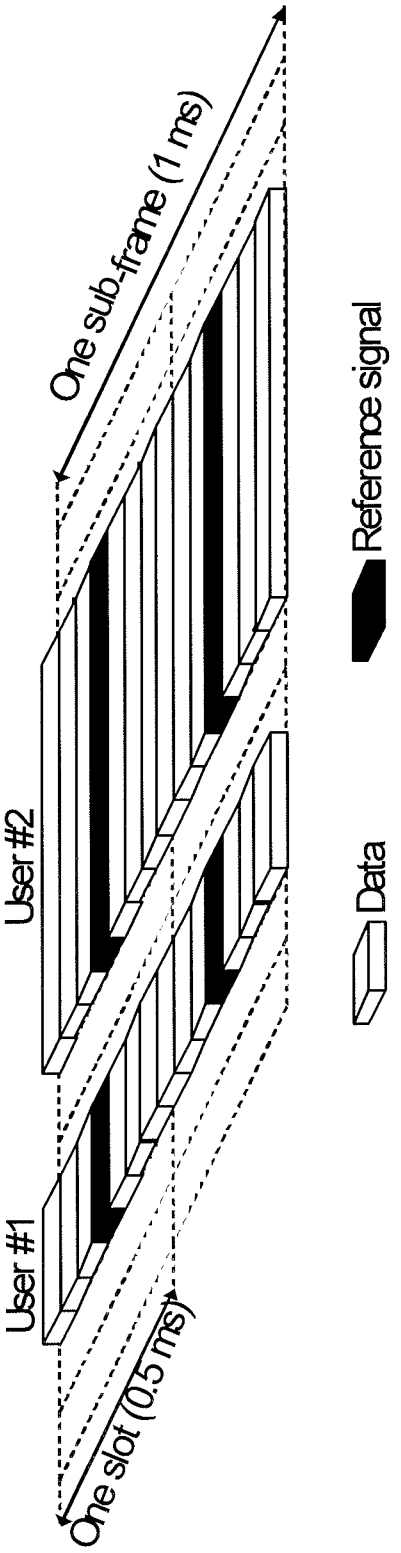

One sub-frame (1 ms)
User #2
User #1
One slot (0.5 ms)
Reference signal
Data

Fig. 4

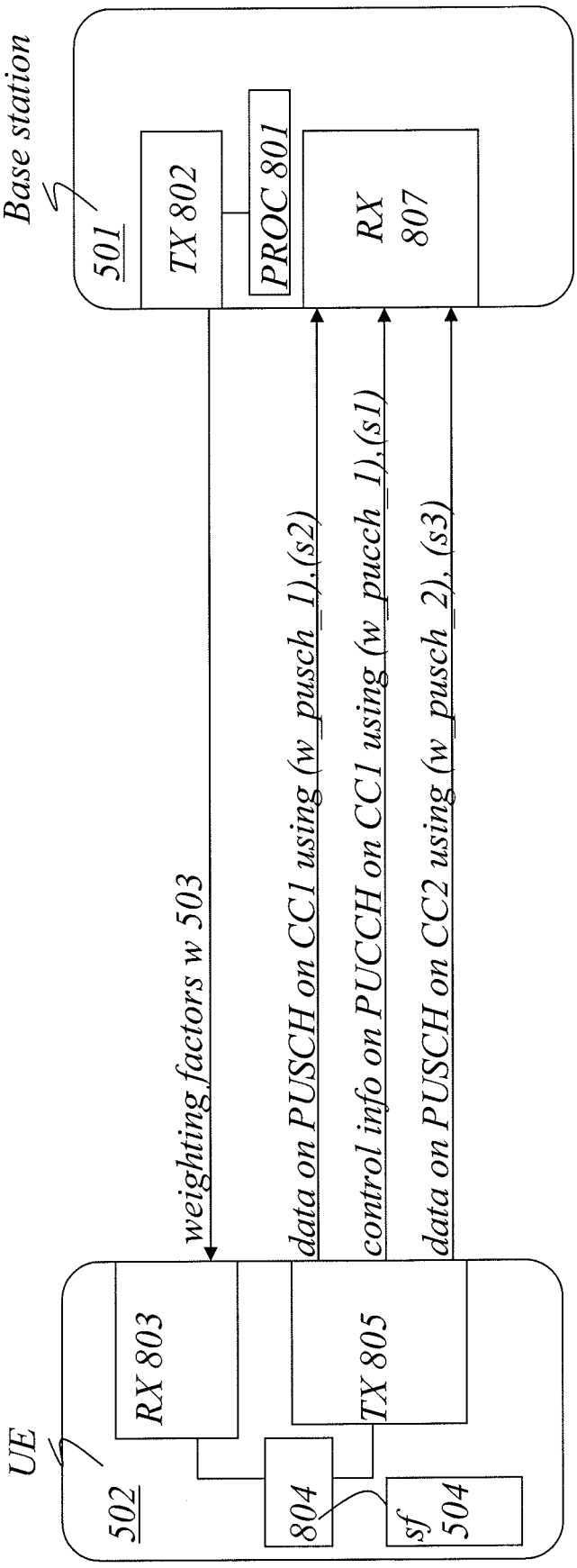

Base station
501
TX 802
PROC 801
RX 807
weighting factors w 503
data on PUSCH on CC1 using (w_pusch_1),(s2)
control info on PUCCH on CC1 using (w_pucch_1),(s1)
data on PUSCH on CC2 using (w_pusch_2), (s3)
UE
502
RX 803
TX 805
804
sf 504

Fig. 5

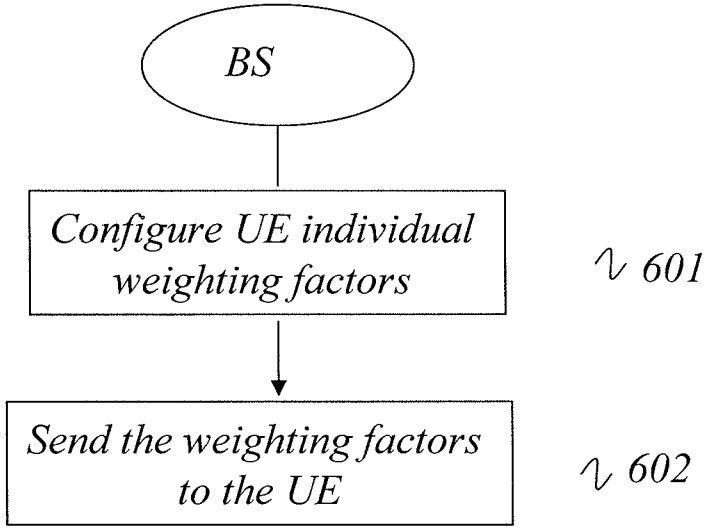

BS
Configure UE individual weighting factors
601
Send the weighting factors to the UE
602

Fig. 6

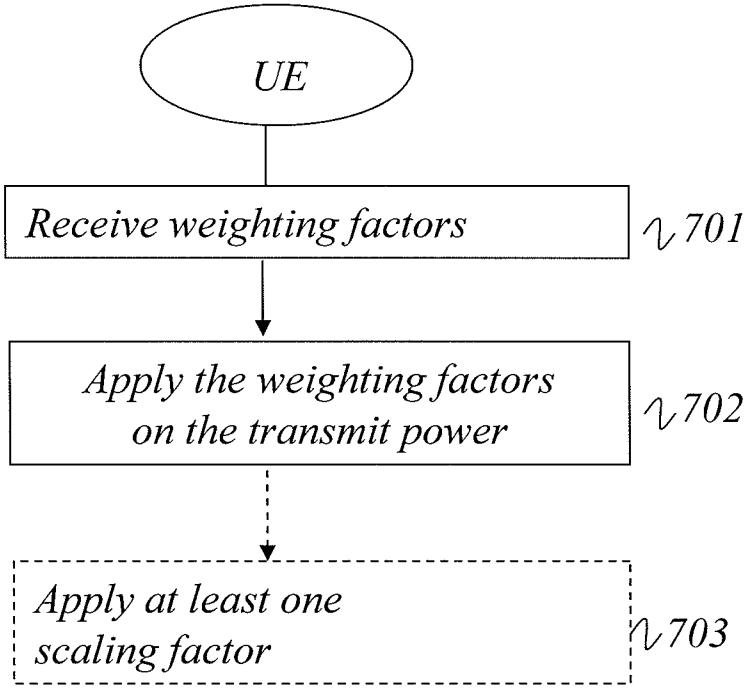

UE
Receive weighting factors
701
Apply the weighting factors on the transmit power
702
Apply at least one scaling factor
703

Fig. 7

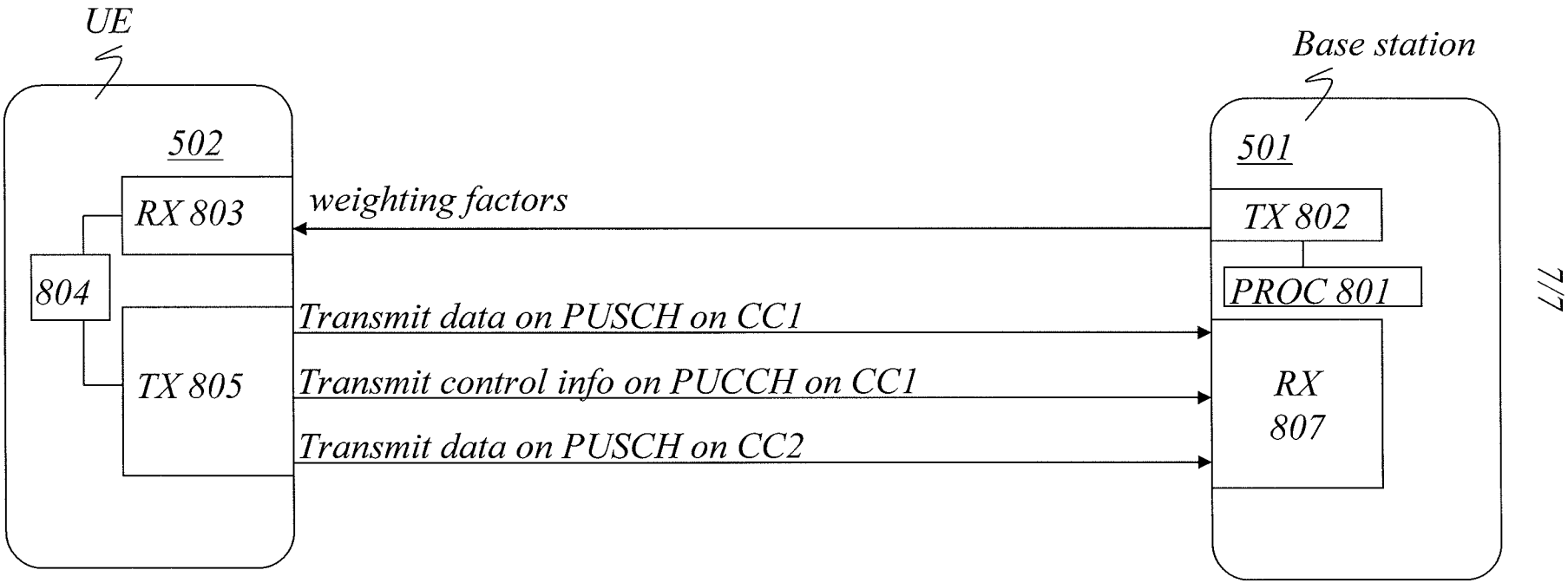

UE
502
RX 803
804
TX 805
weighting factors
Transmit data on PUSCH on CC1
Transmit control info on PUCCH on CC1
Transmit data on PUSCH on CC2
Base station
501
TX 802
PROC 801
RX
807
777

Fig. 8