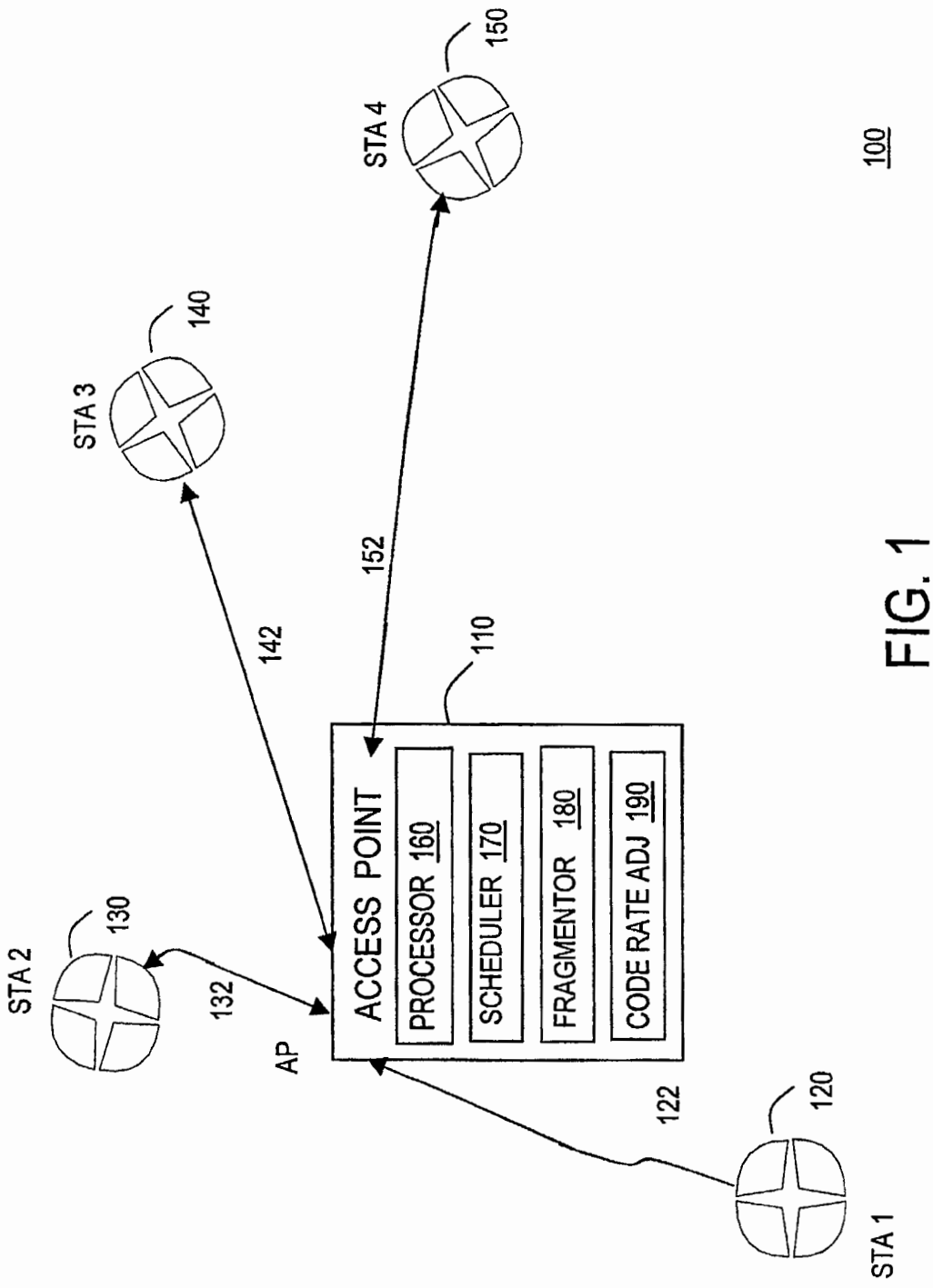

100
STA 1
120
122
STA 2
130
132
AP
ACCESS POINT
110
PROCESSOR 160
SCHEDULER 170
FRAGMENTOR 180
CODE RATE ADJ 190
142
152
STA 3
140
STA 4
150

FIG. 1

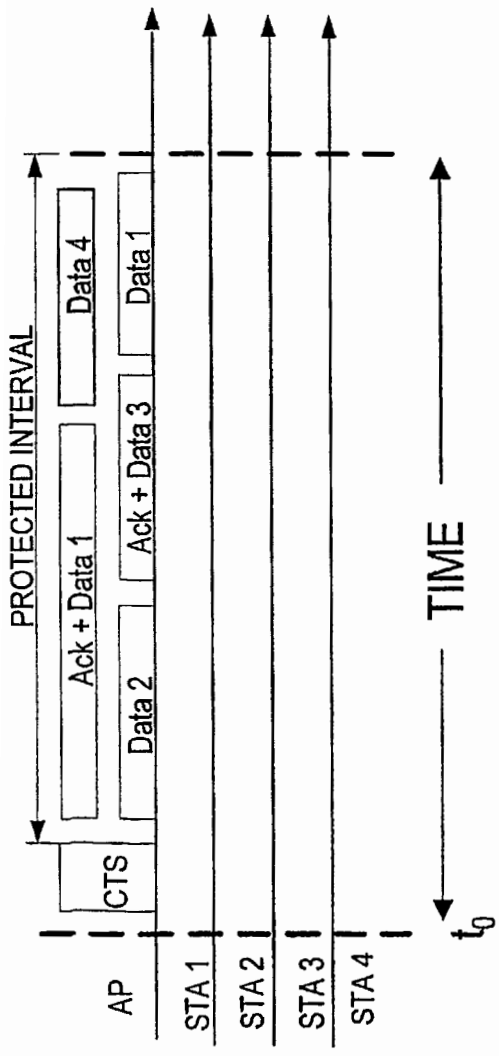

PROTECTED INTERVAL
CTS
Data 2
Ack + Data 1
Ack + Data 3
Data 4
Data 1
AP
STA 1
STA 2
STA 3
STA 4
TIME
t_0

FIG. 2

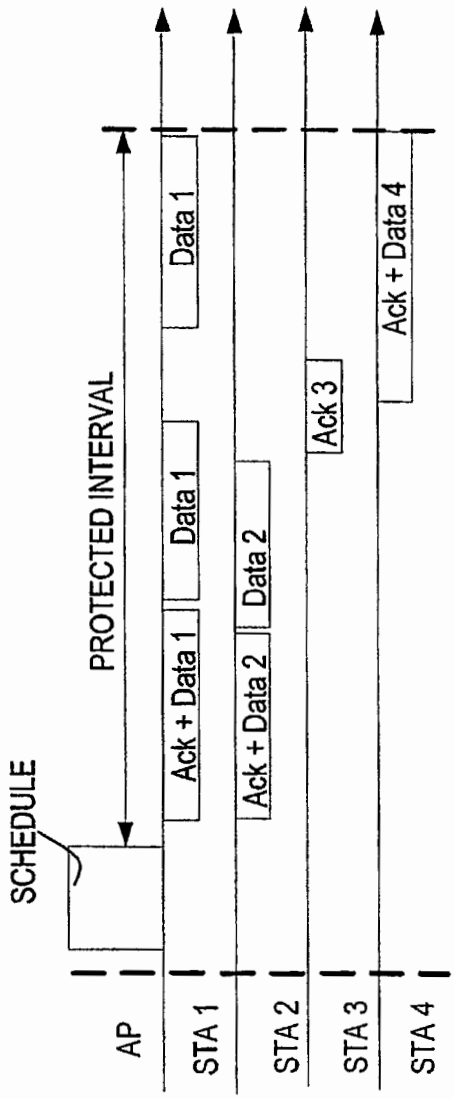

SCHEDULE
PROTECTED INTERVAL
Ack + Data 1
Ack + Data 2
Data 1
Data 2
Data 1
Ack 3
Ack + Data 4
AP
STA 1
STA 2
STA 3
STA 4

FIG. 3

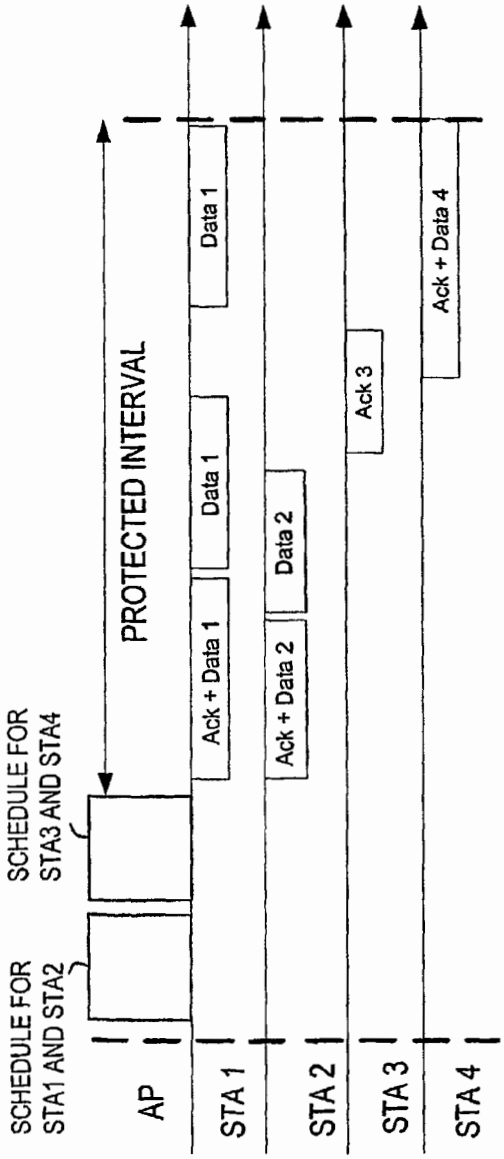

SCHEDULE FOR STA1 AND STA2
SCHEDULE FOR STA3 AND STA4
PROTECTED INTERVAL
AP
STA 1
STA 2
STA 3
STA 4
Ack + Data 1
Data 1
Ack + Data 2
Data 2
Ack 3
Ack + Data 4

FIG. 4

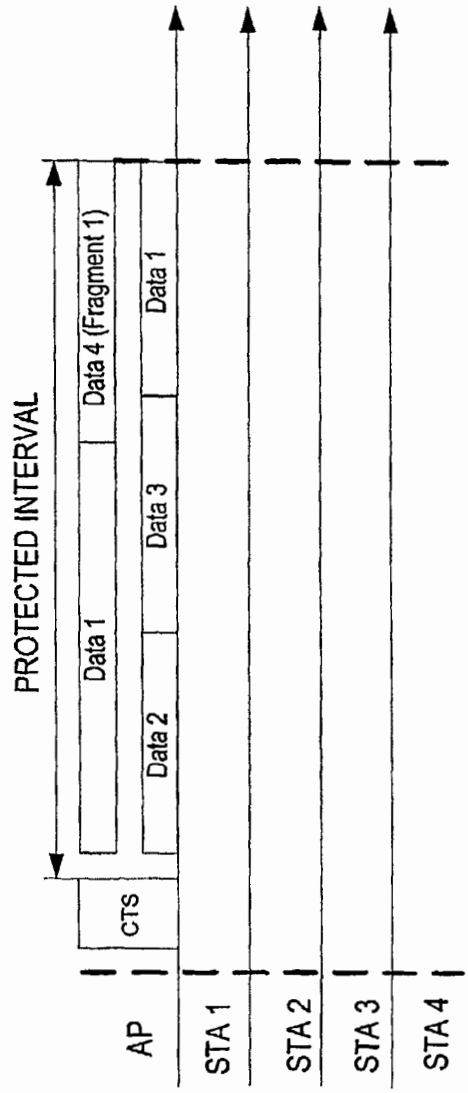
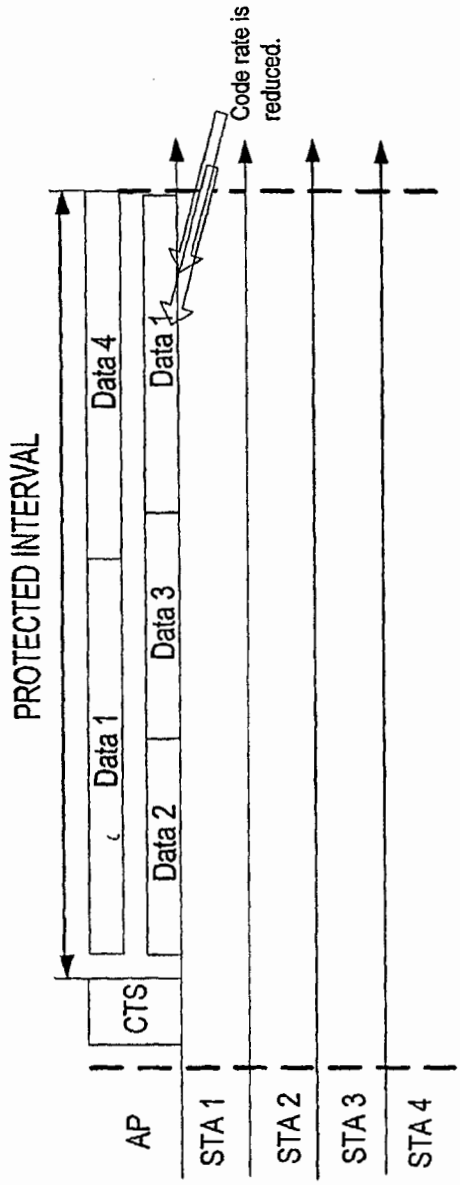

PROTECTED INTERVAL
AP
STA 1
STA 2
STA 3
STA 4
CTS
Data 1
Data 4 (Fragment 1)
Data 2
Data 3
Data 1

FIG. 5

FIG. 6


Code rate is reduced.
PROTECTED INTERVAL
Data 4
Data 1
Data 3
Data 2
CTS
AP
STA 1
STA 2
STA 3
STA 4