

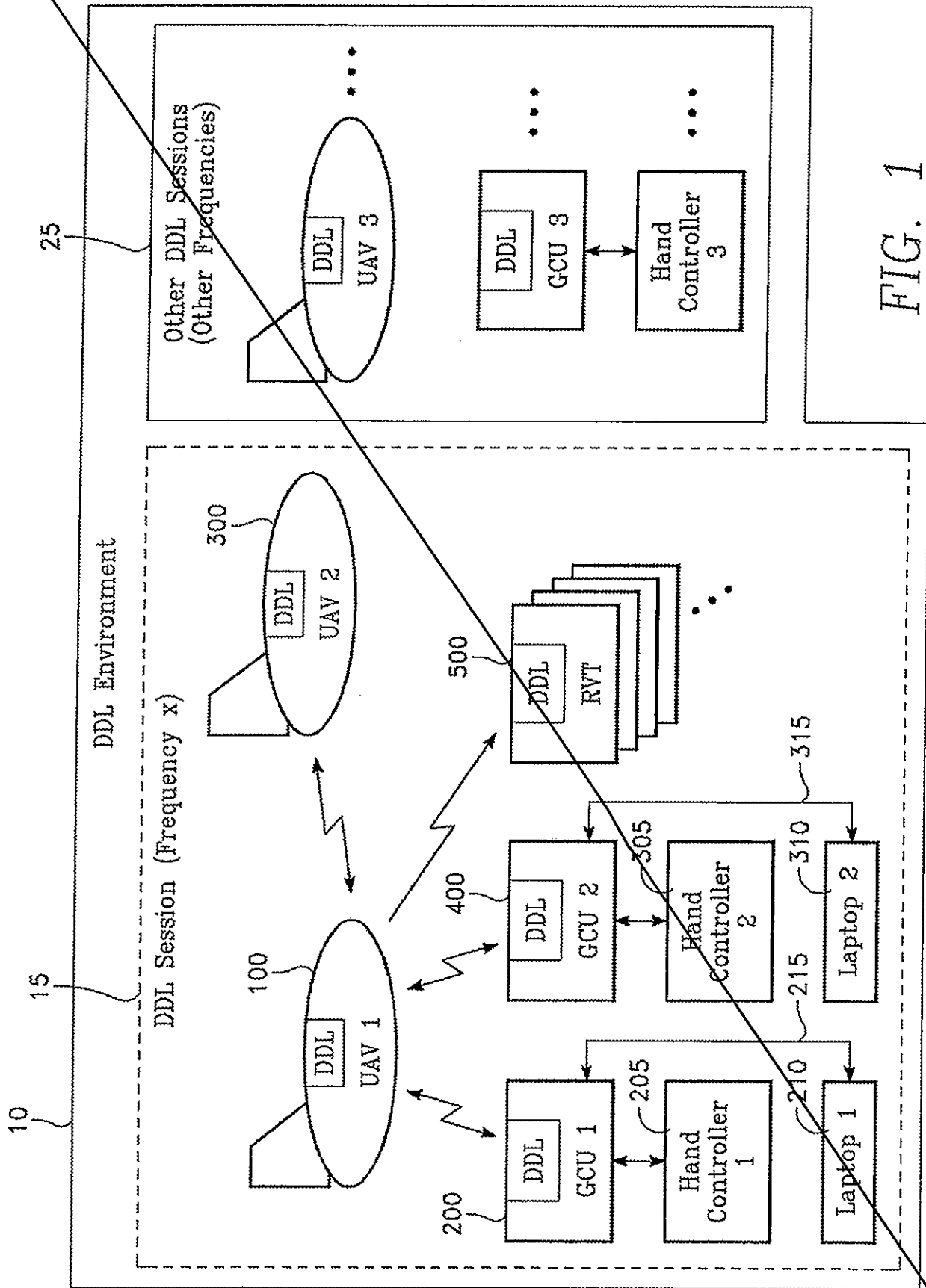


FIG. 1

DDL Protocol Layers	
Network Layer	External devices communicate with other devices IP addresses (IP address with port "xxx.xxx.xxx.xxx:zzz") Encrypted IP addresses and data
Link Layer	DDL nodes communicate with other DDL nodes DDL addresses (16-bit RUID with DDL port "xxxx:zzz") Unencrypted DDL addresses, encrypted data
Physical Layer	DDL hardware transmits and receives packets Transmission time slots, transmitter power levels RF signal processing, forward error correction Frequency

FIG. 2

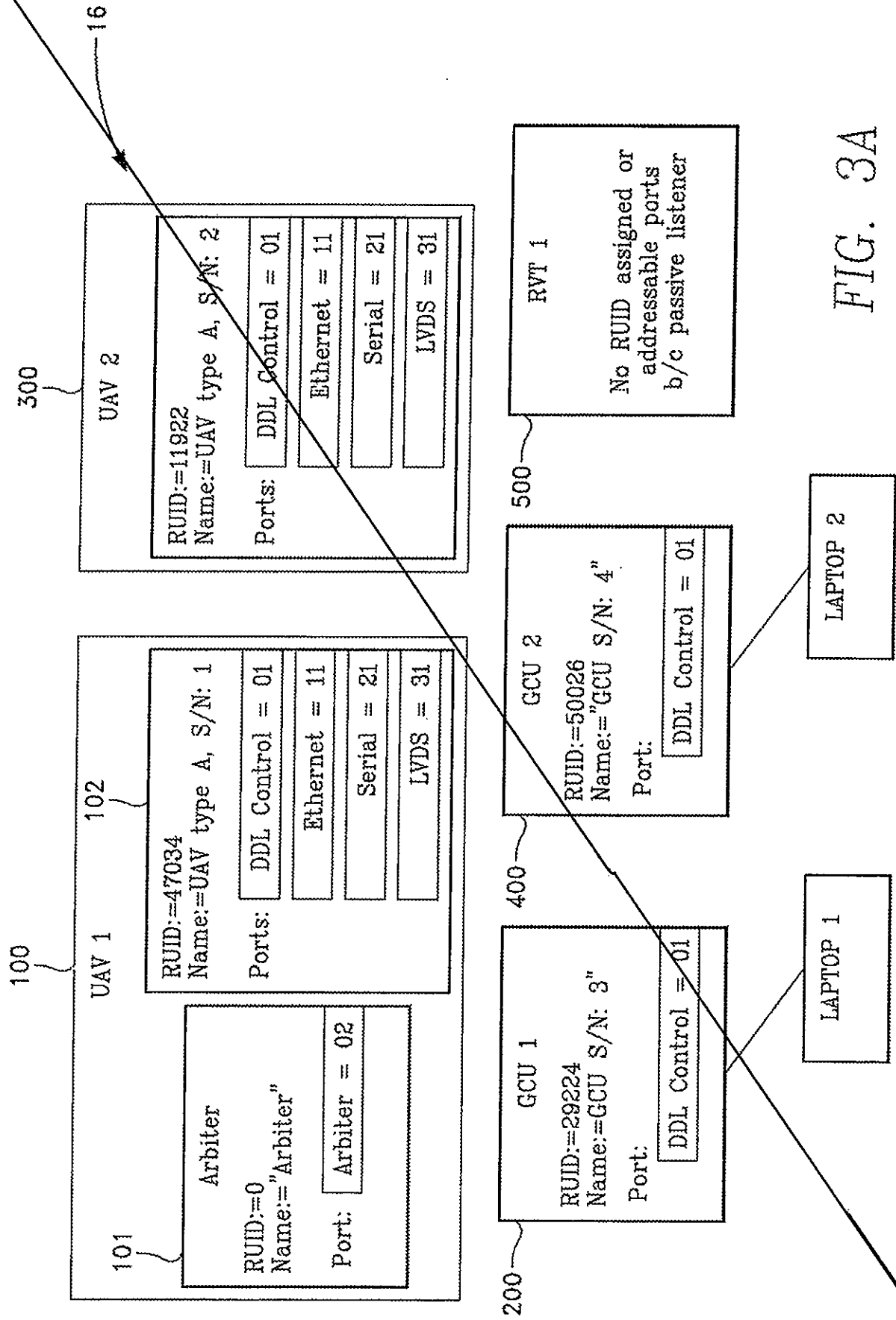


FIG. 3A

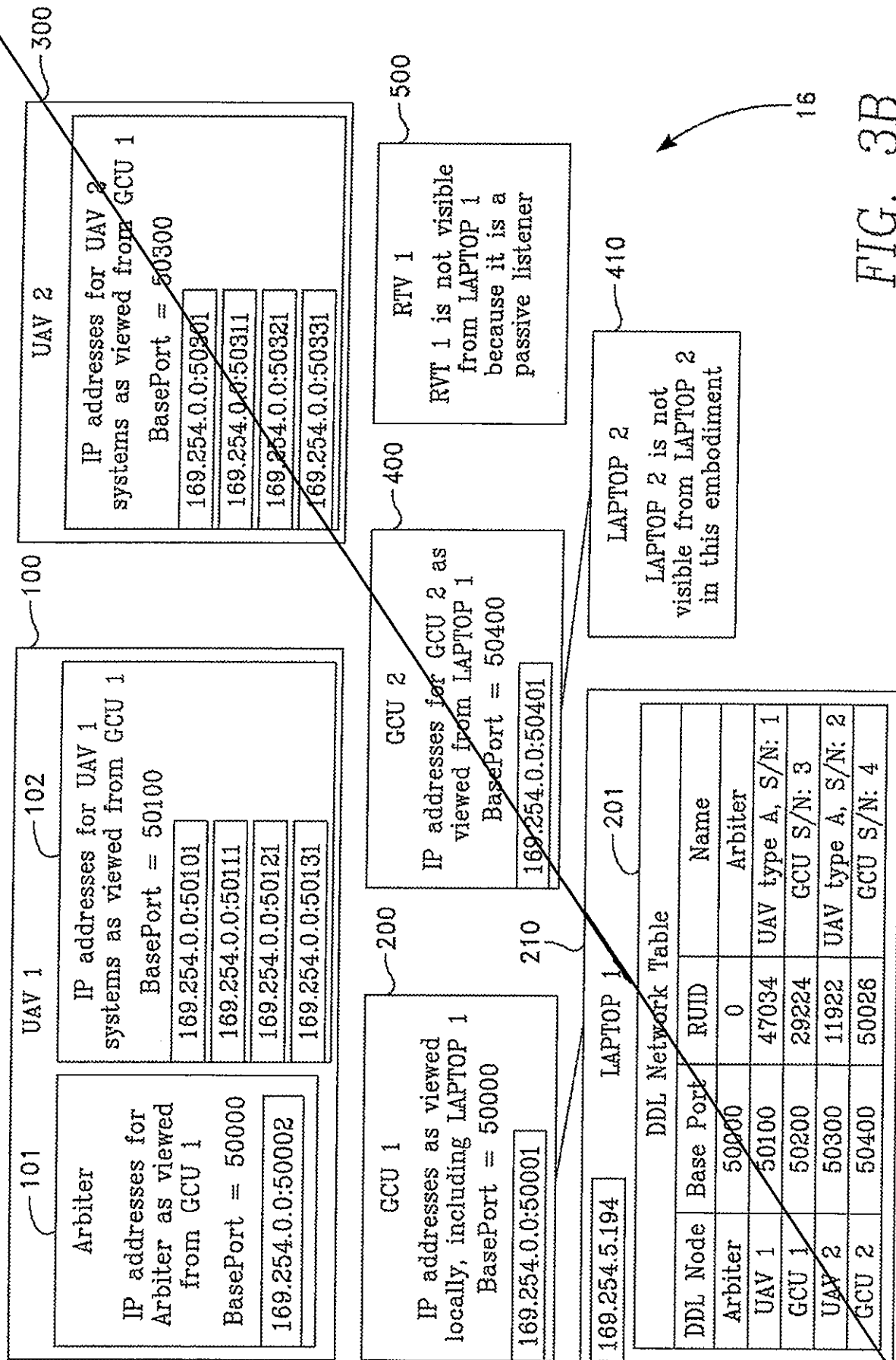


FIG. 3B

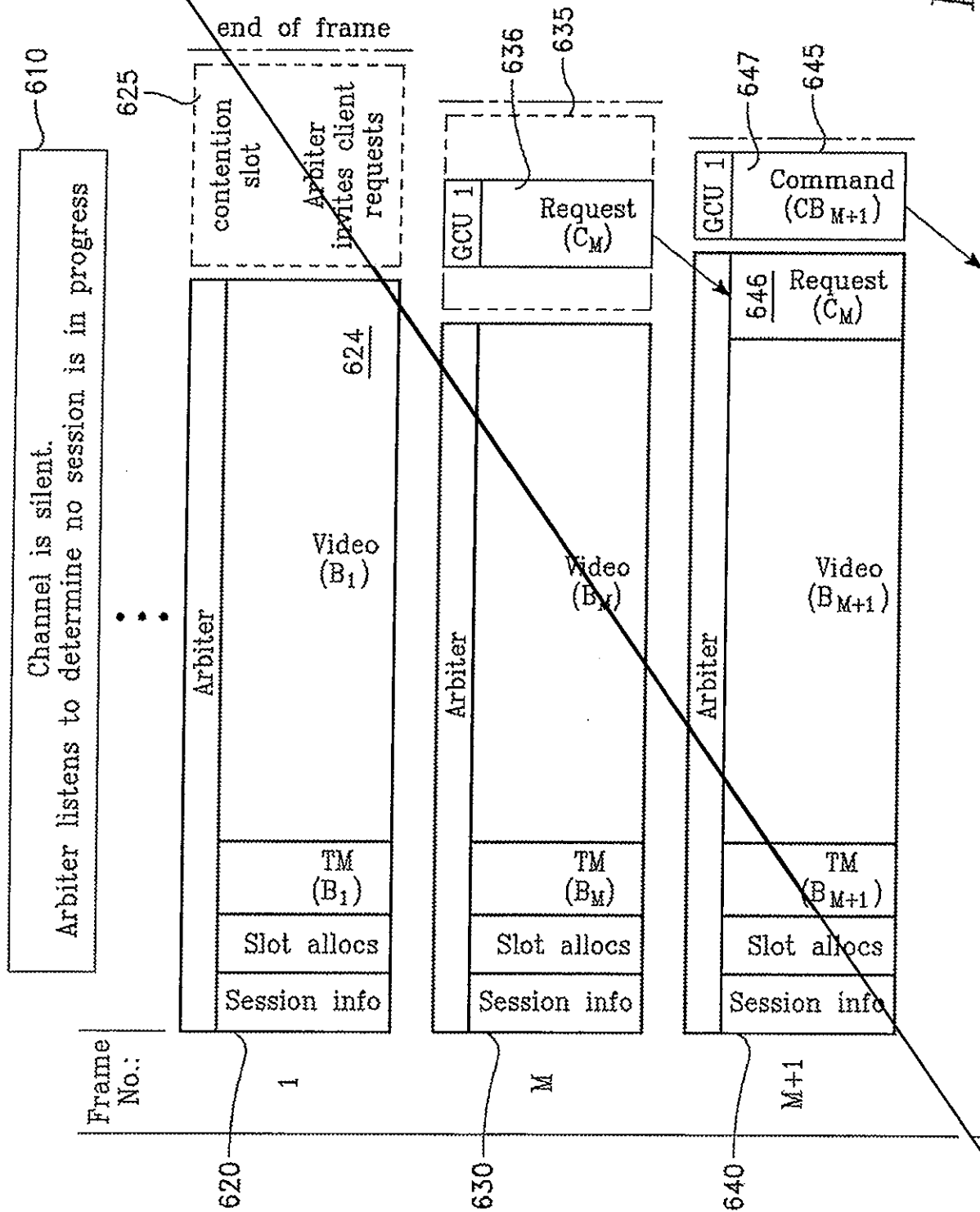


FIG. 4A

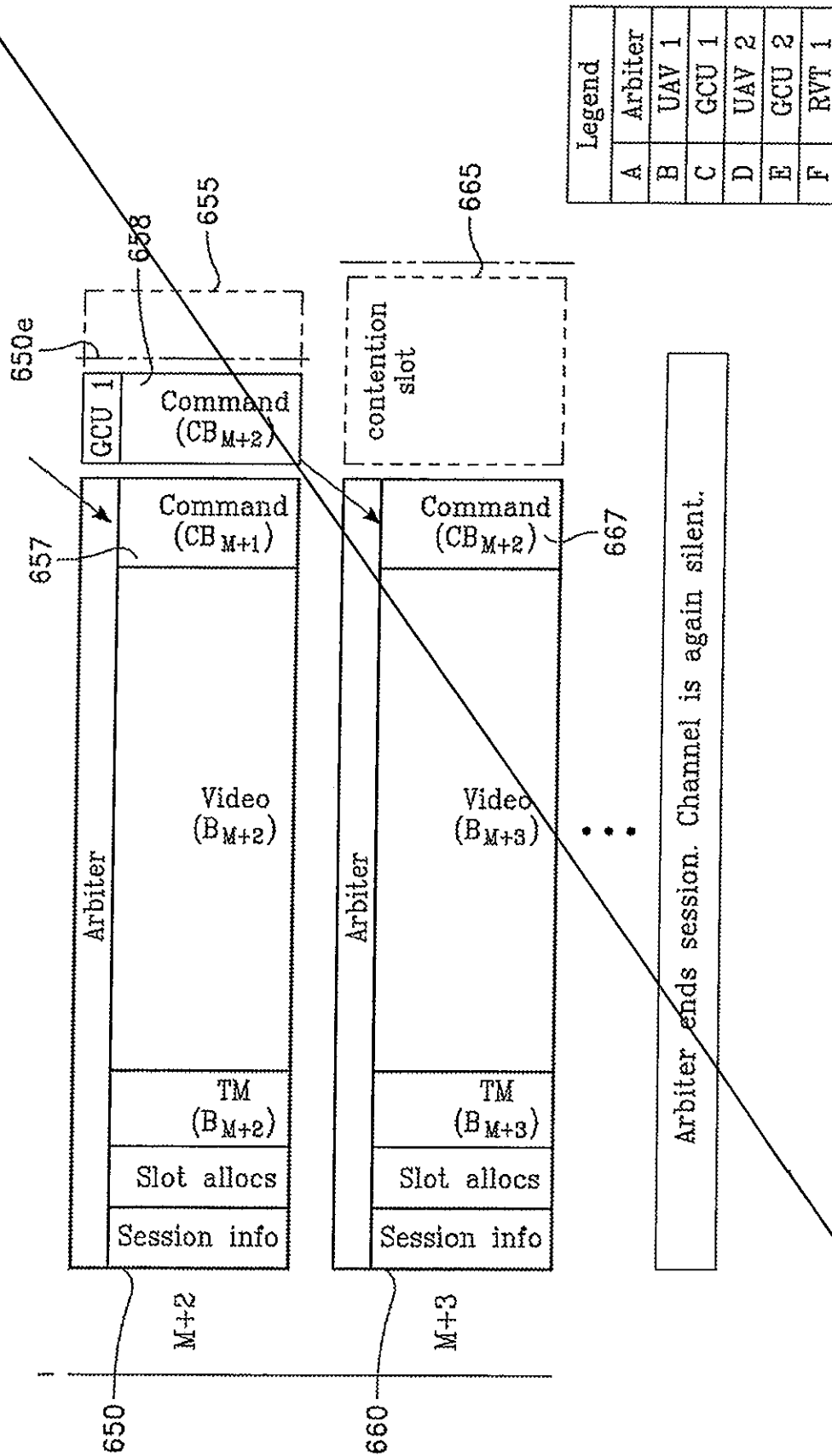
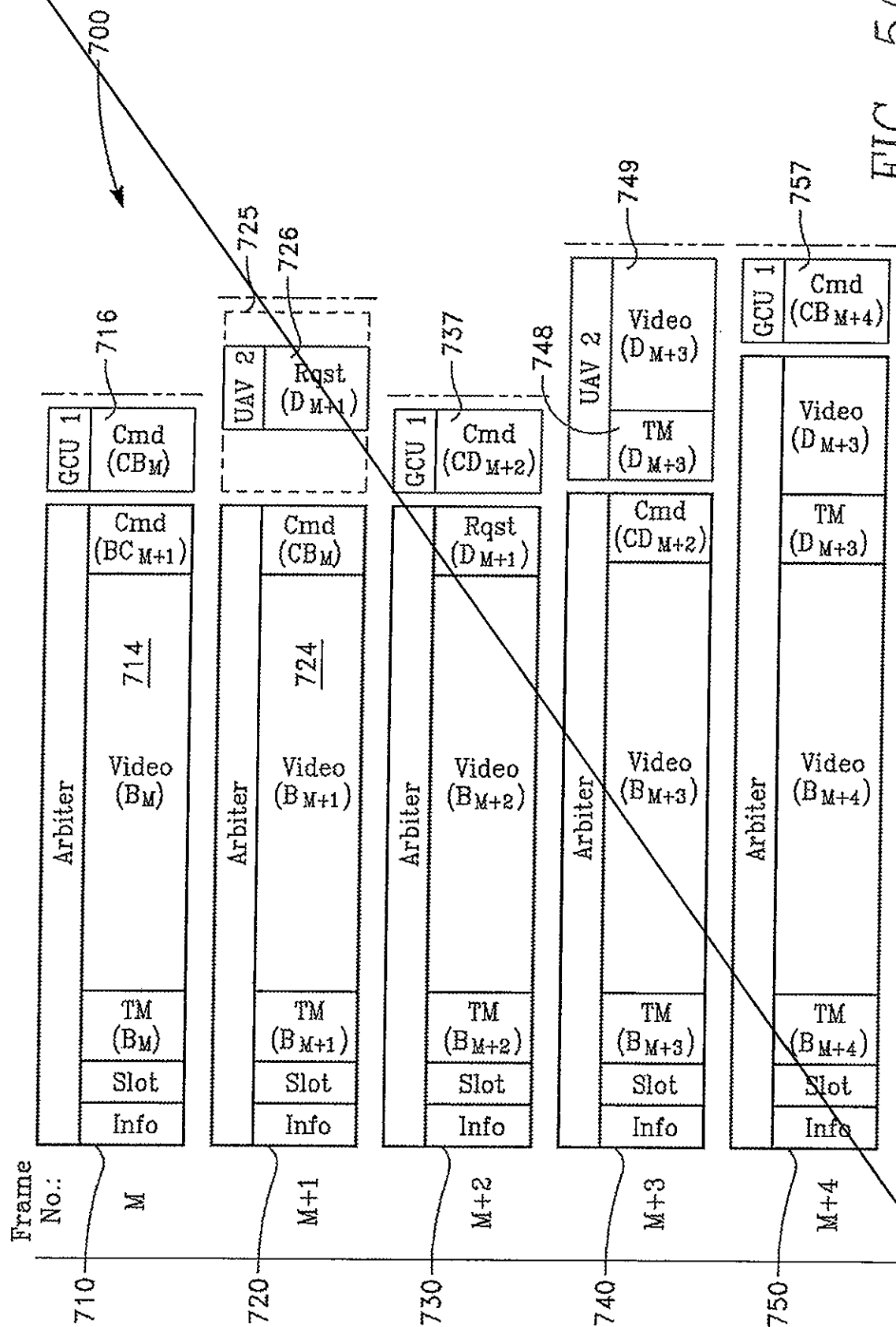
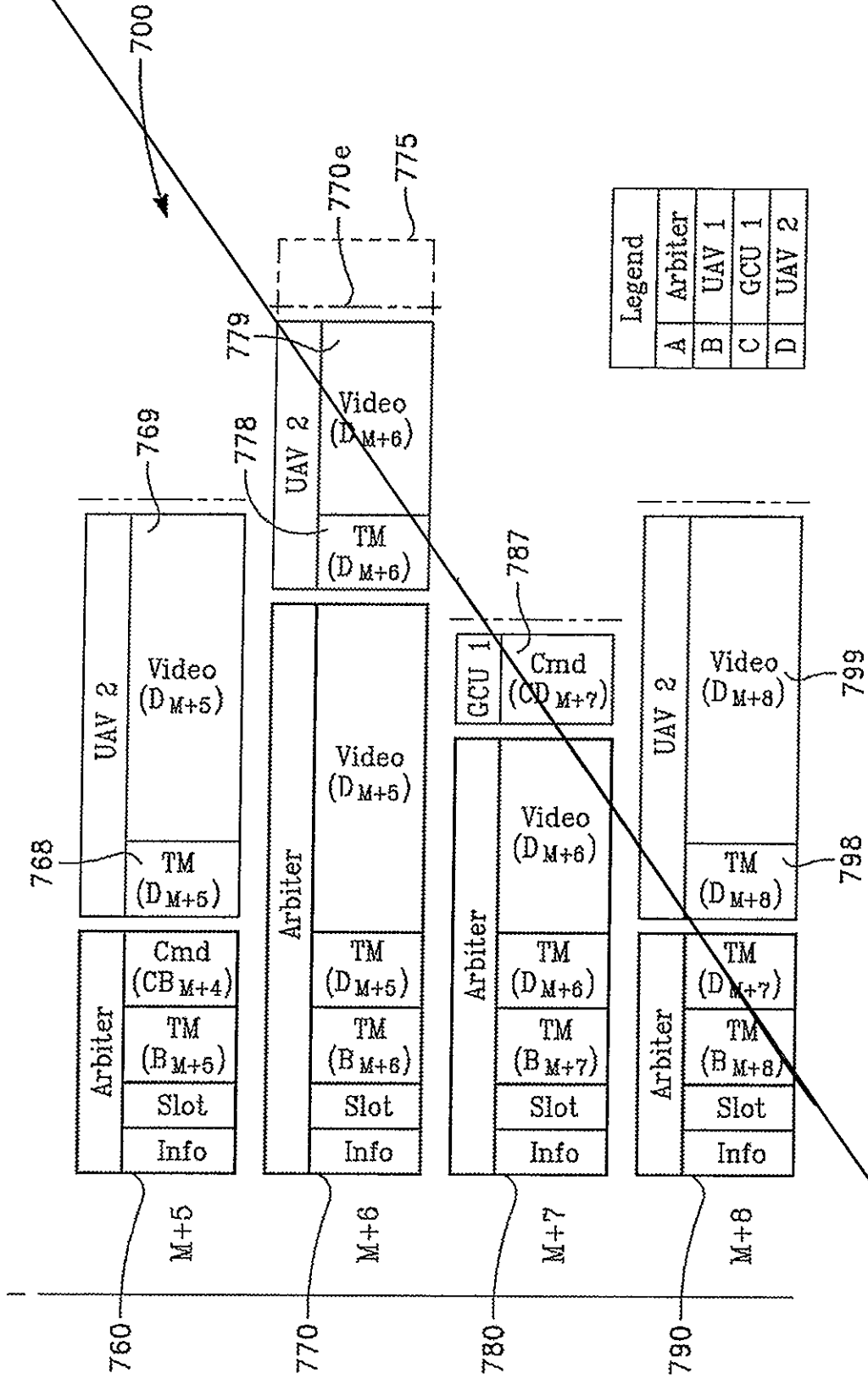


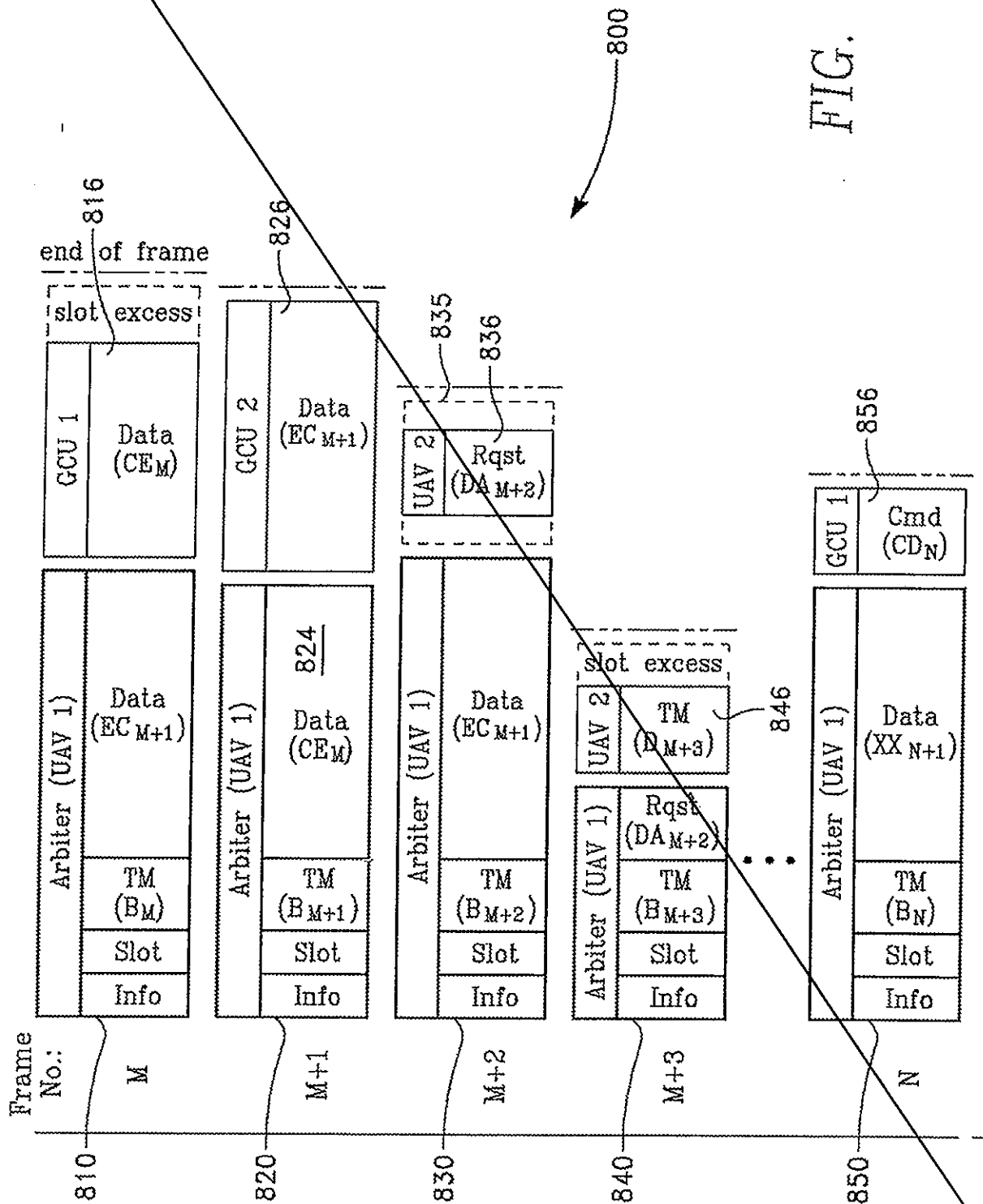
FIG. 4B





Legend	
A	Arbiter
B	UAV 1
C	GCU 1
D	UAV 2

FIG. 5B



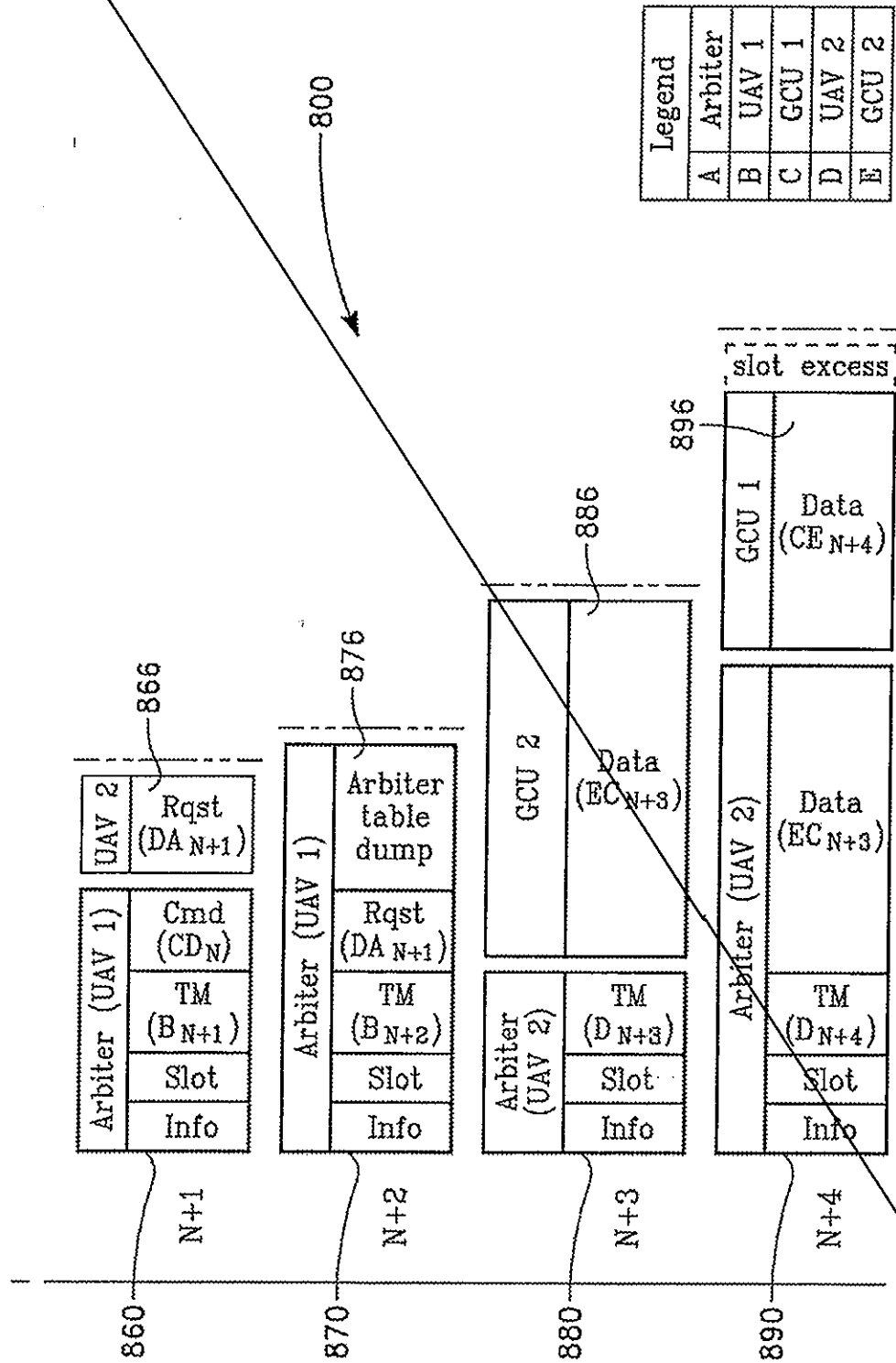


FIG. 6B

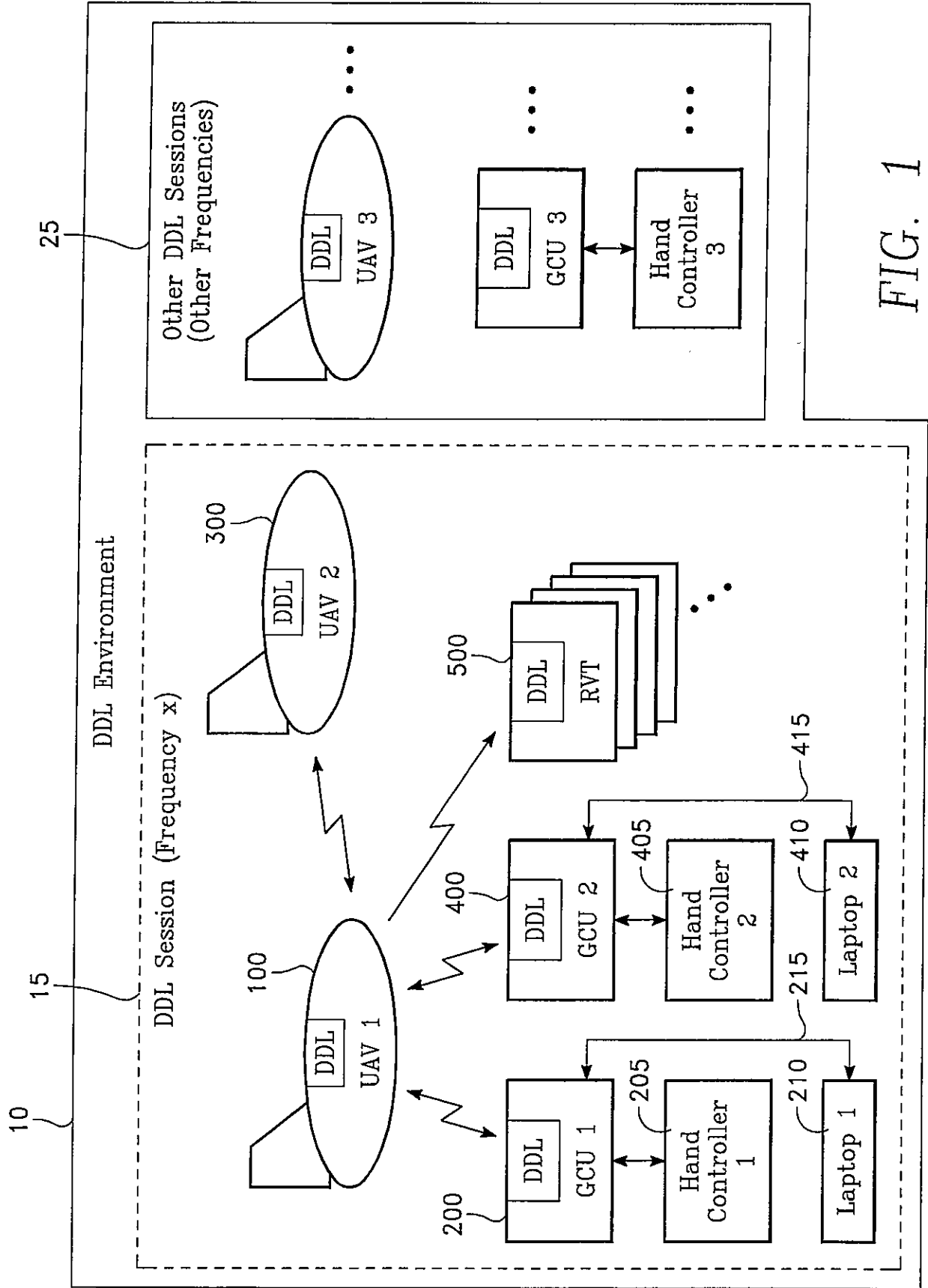


FIG. 1

DDL Protocol Layers	
Network Layer	External devices communicate with other devices IP addresses (IP address with port "xxx.xxx.xxx.xxx:zzz") Encrypted IP addresses and data
Link Layer	DDL nodes communicate with other DDL nodes DDL addresses (16-bit RUID with DDL port "xxxx:zzz") Unencrypted DDL addresses, encrypted data
Physical Layer	DDL hardware transmits and receives packets Transmission time slots, transmitter power levels RF signal processing, forward error correction Frequency

FIG. 2

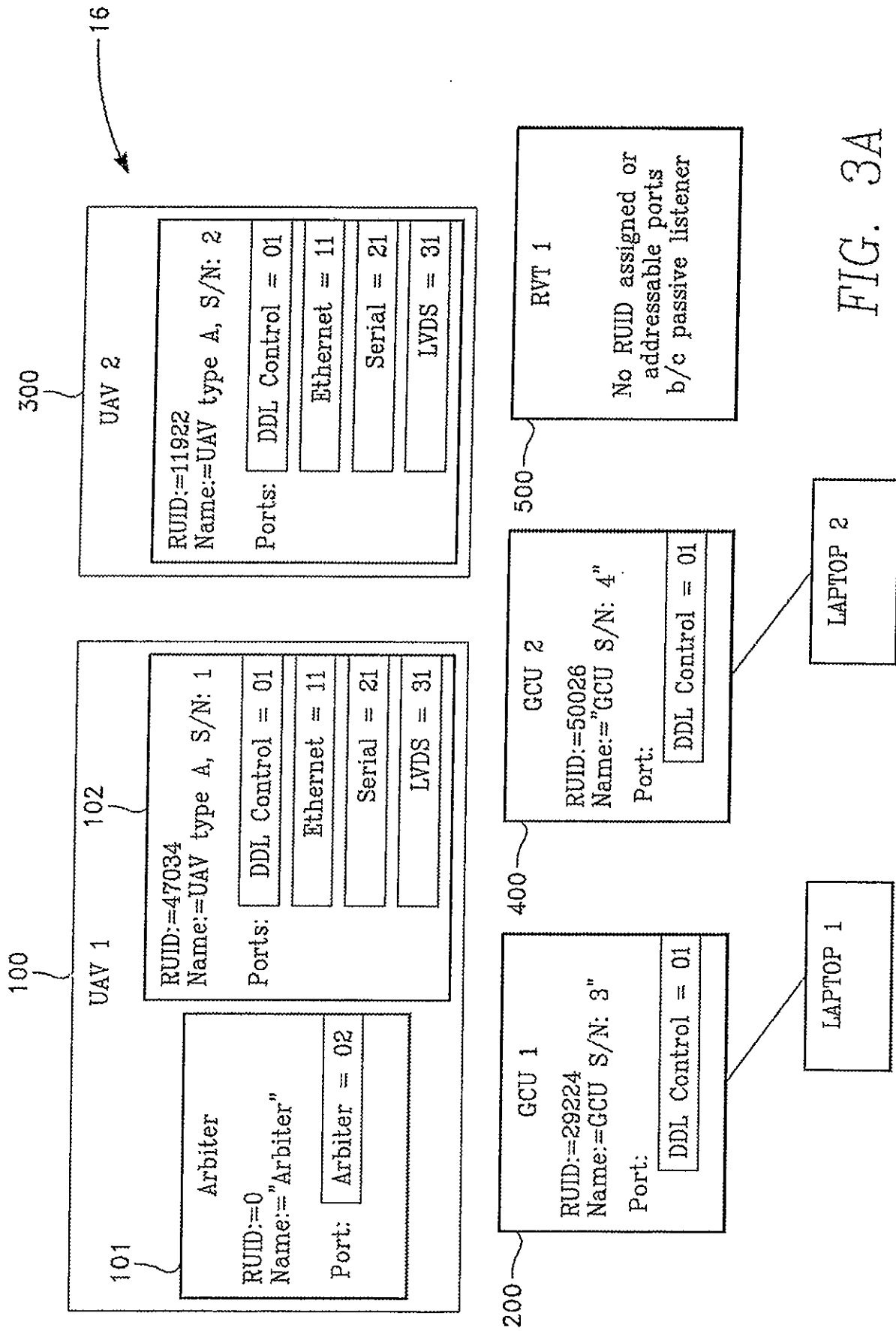


FIG. 3A

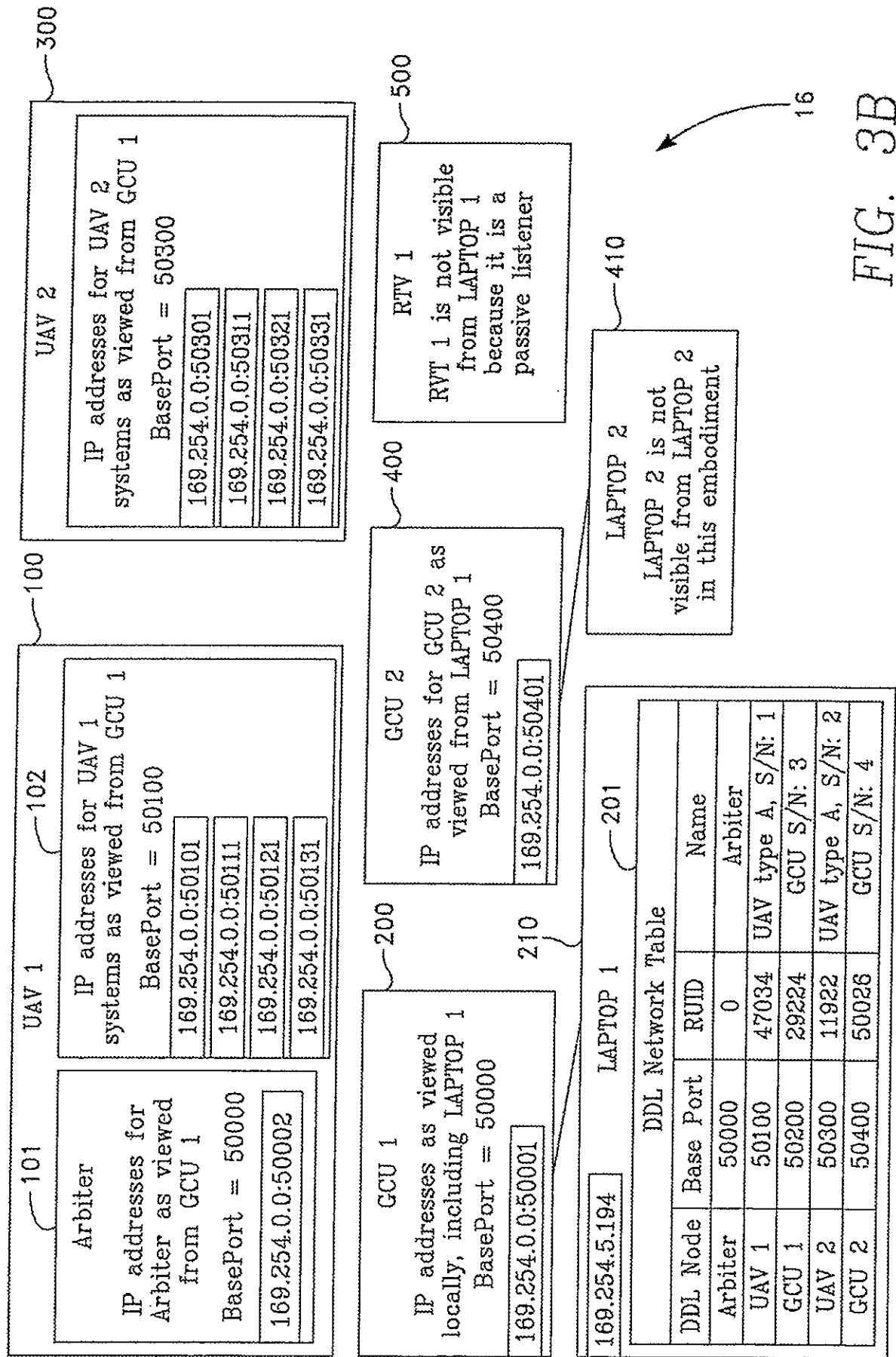


FIG. 3B

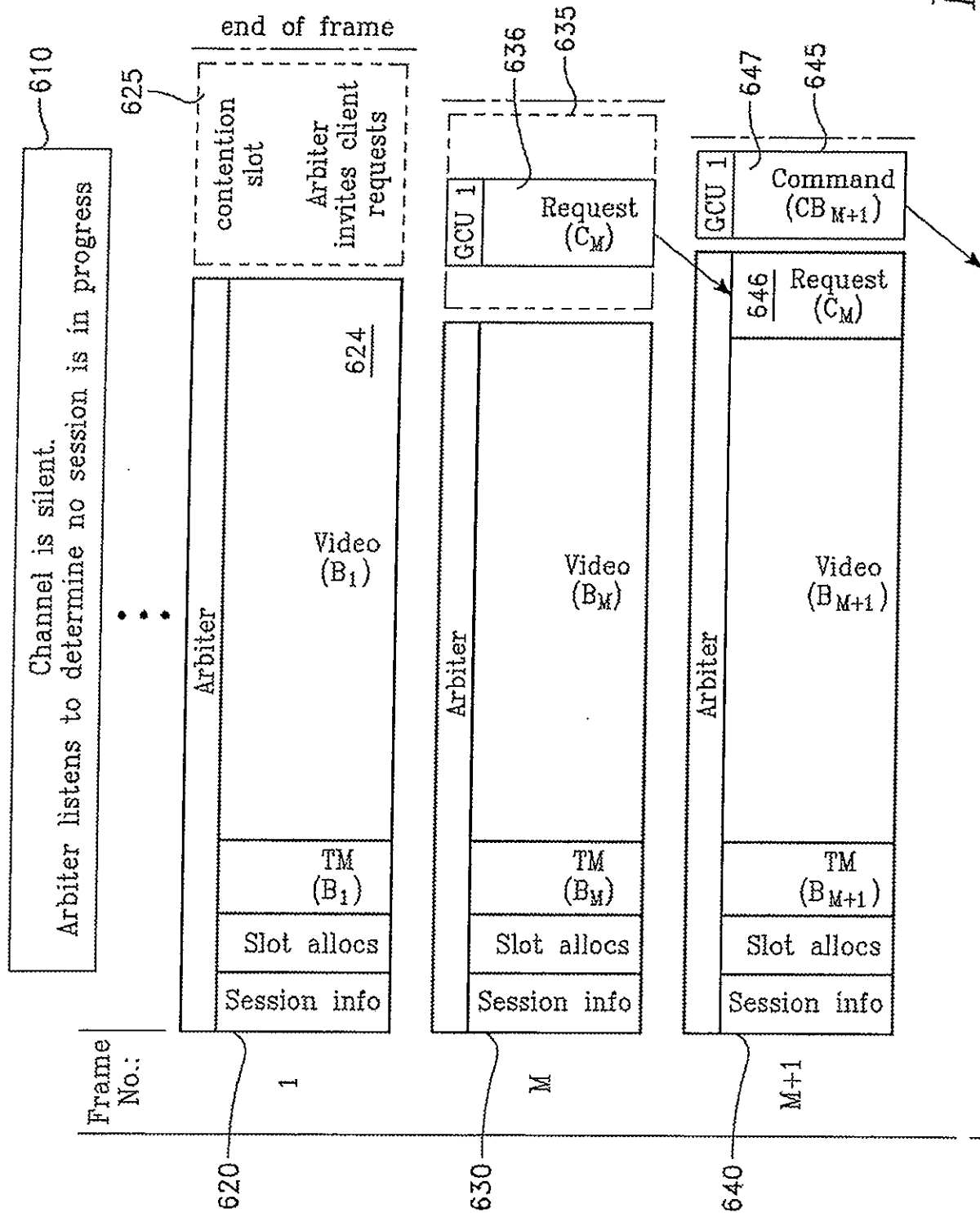


FIG. 4A

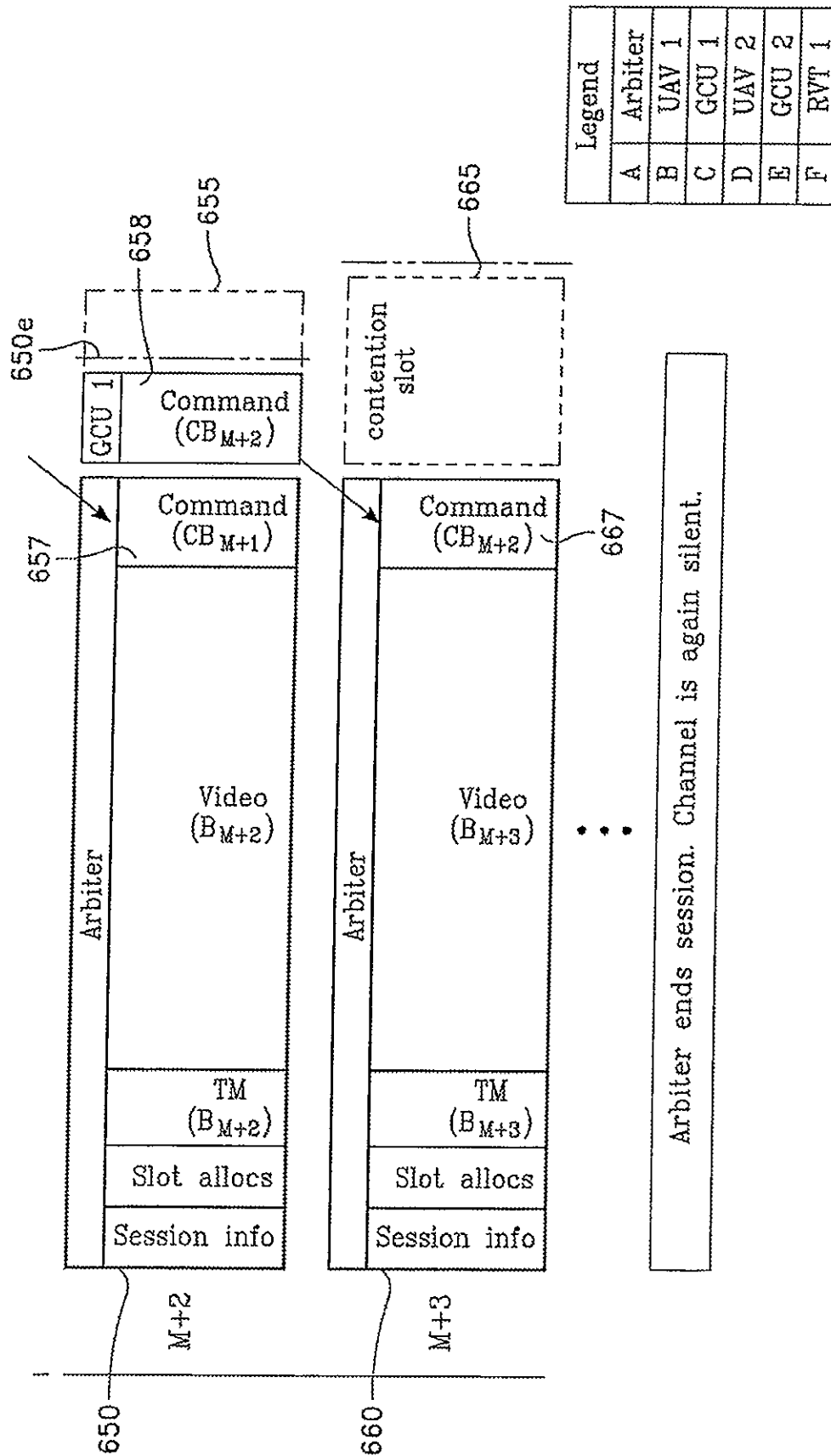


FIG. 4B

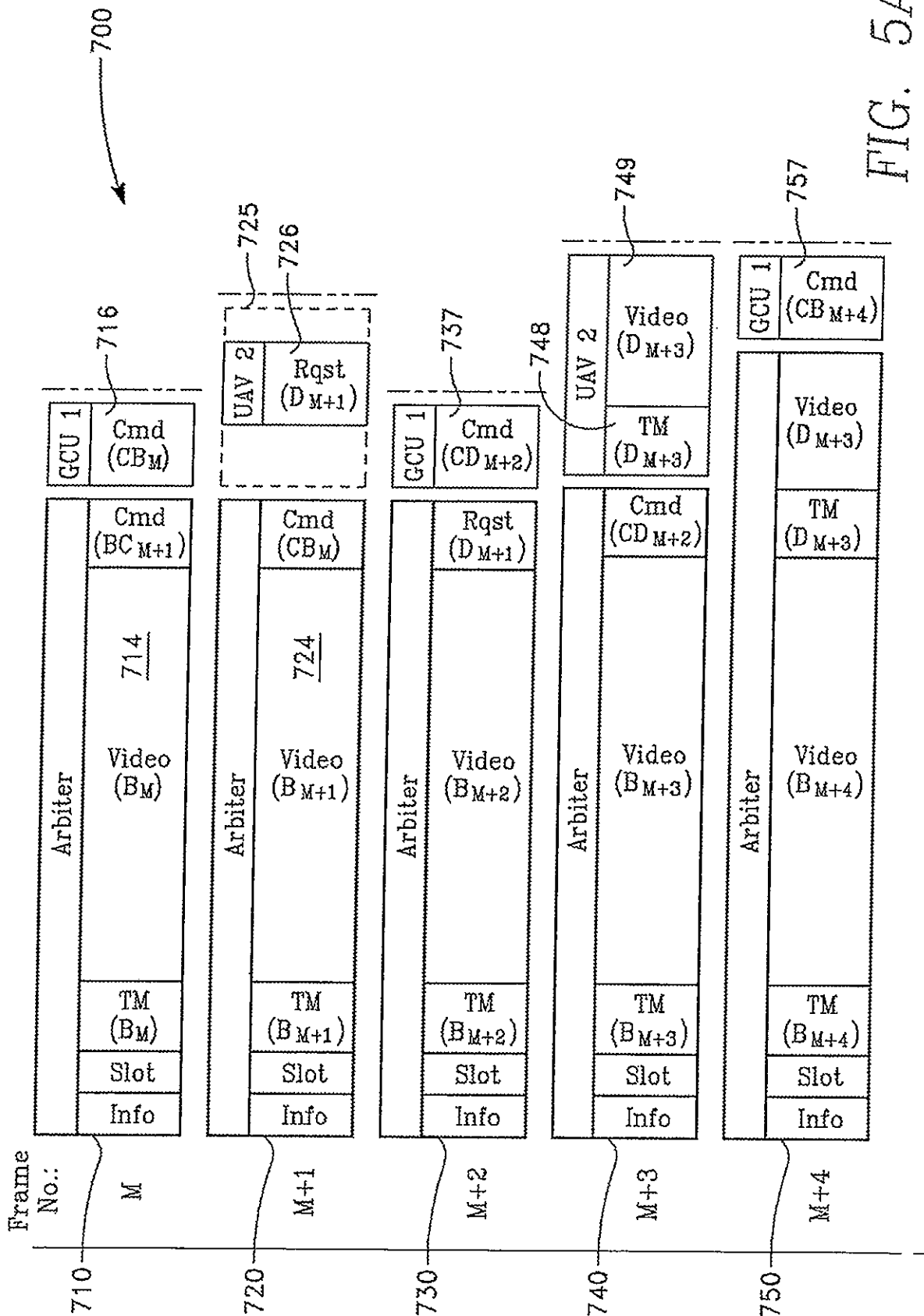


FIG. 5A

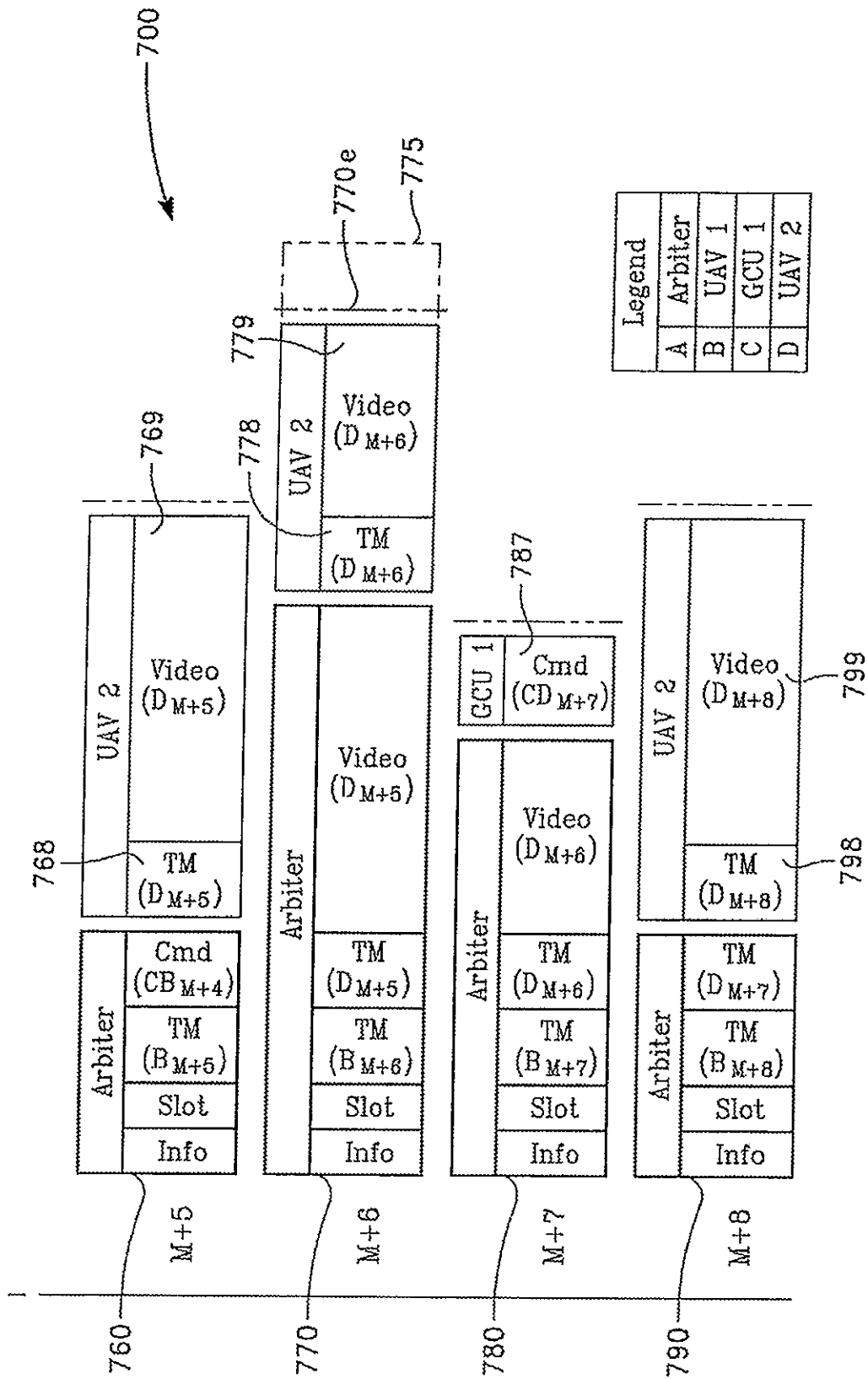


FIG. 5B

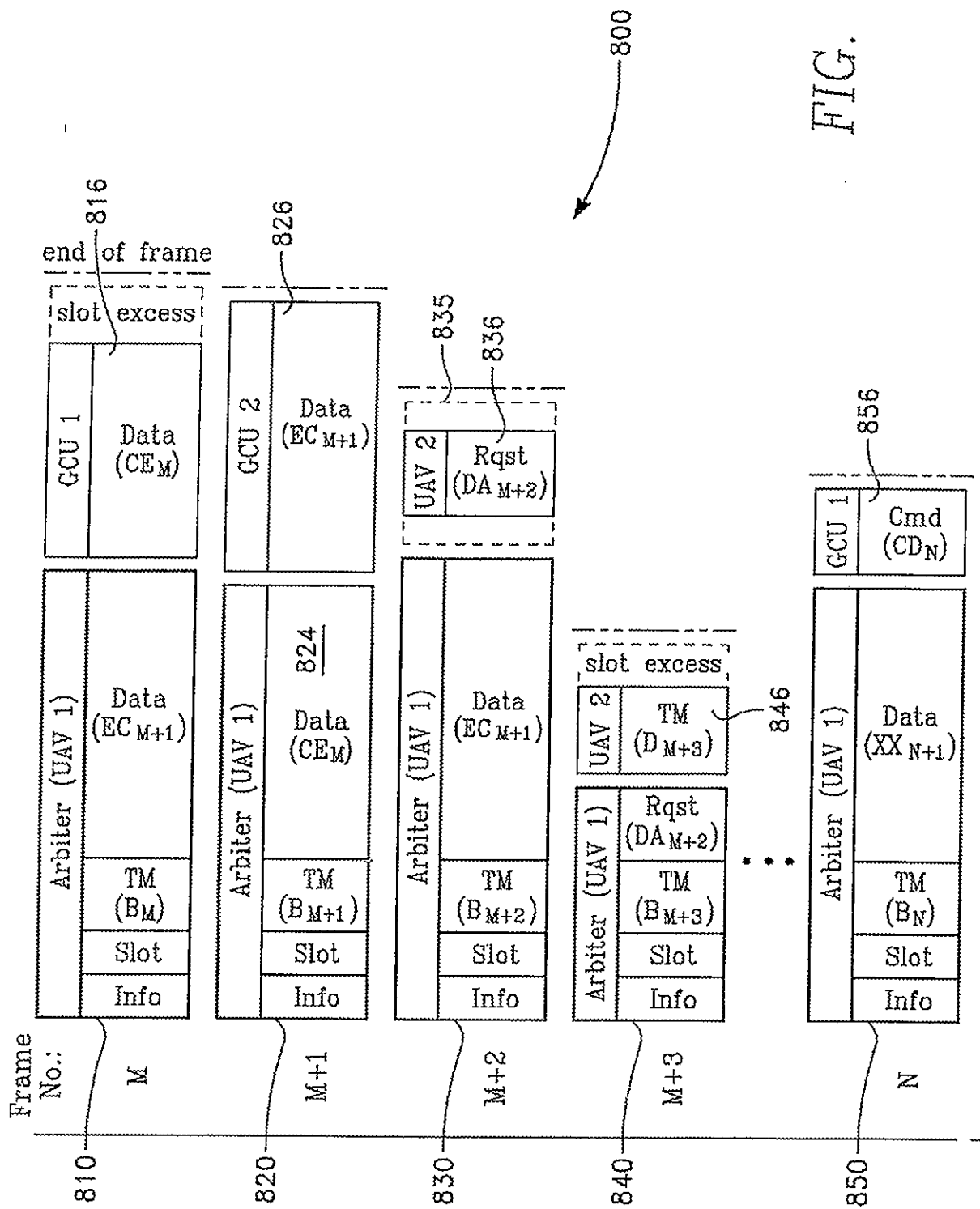


FIG. 6A

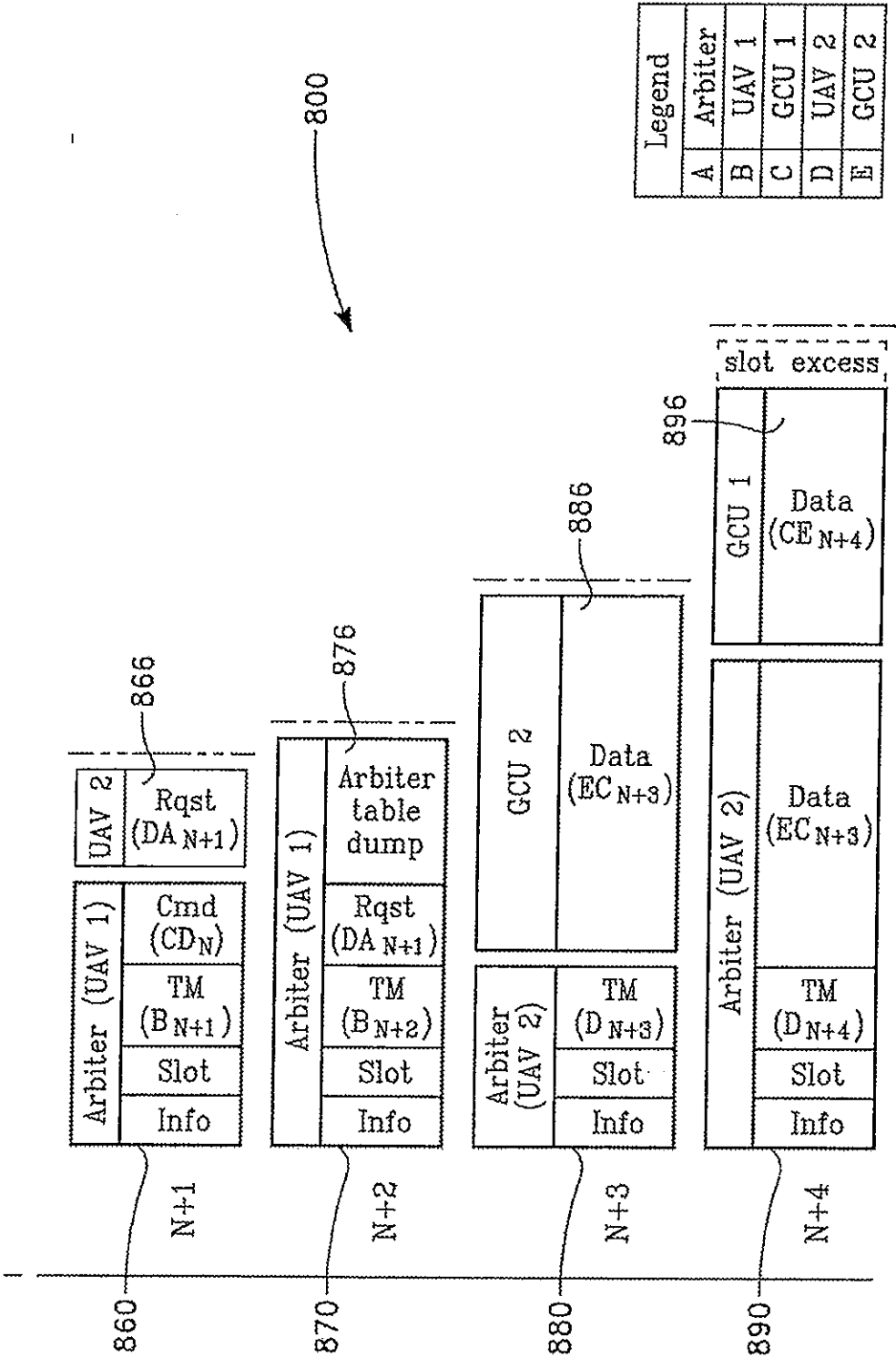


FIG. 6B