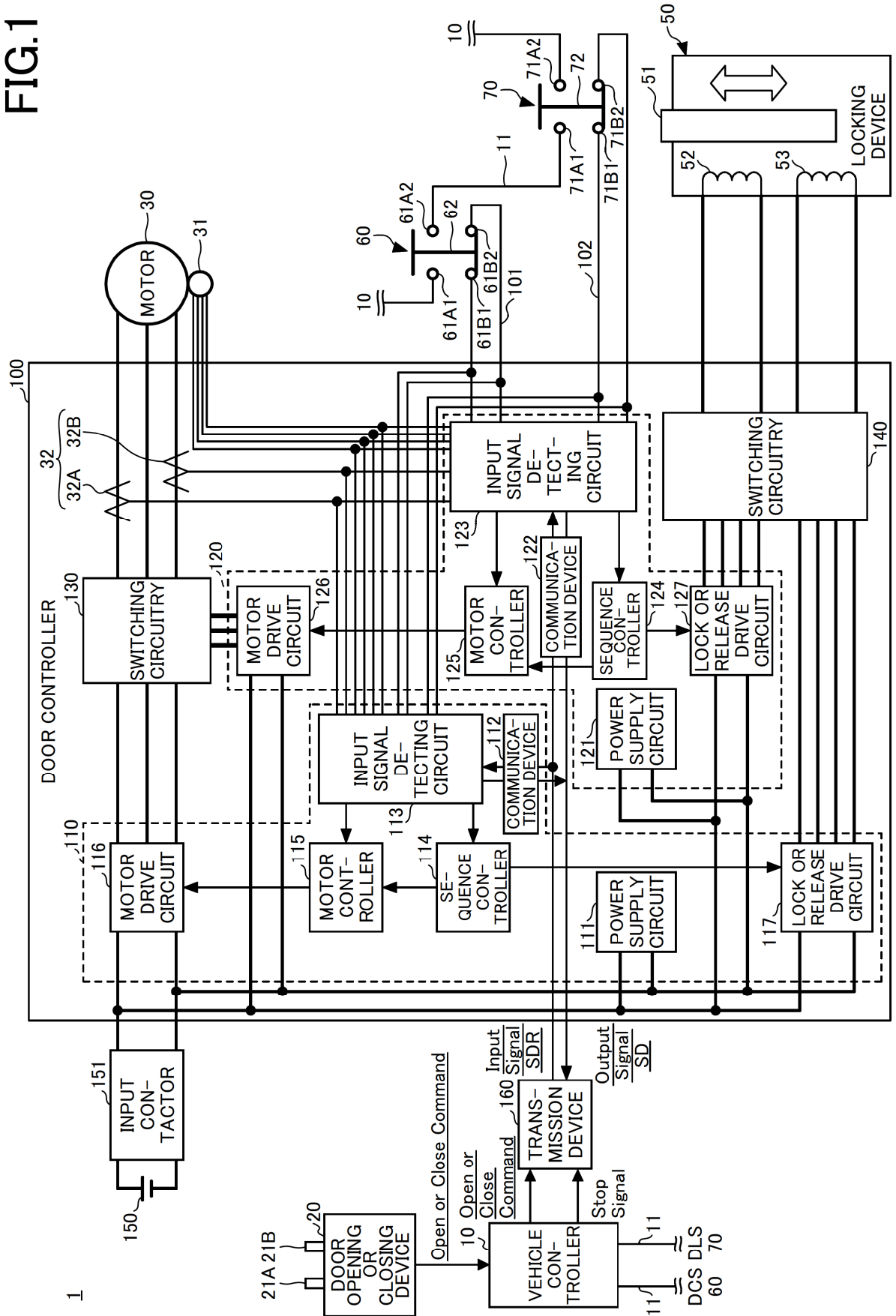
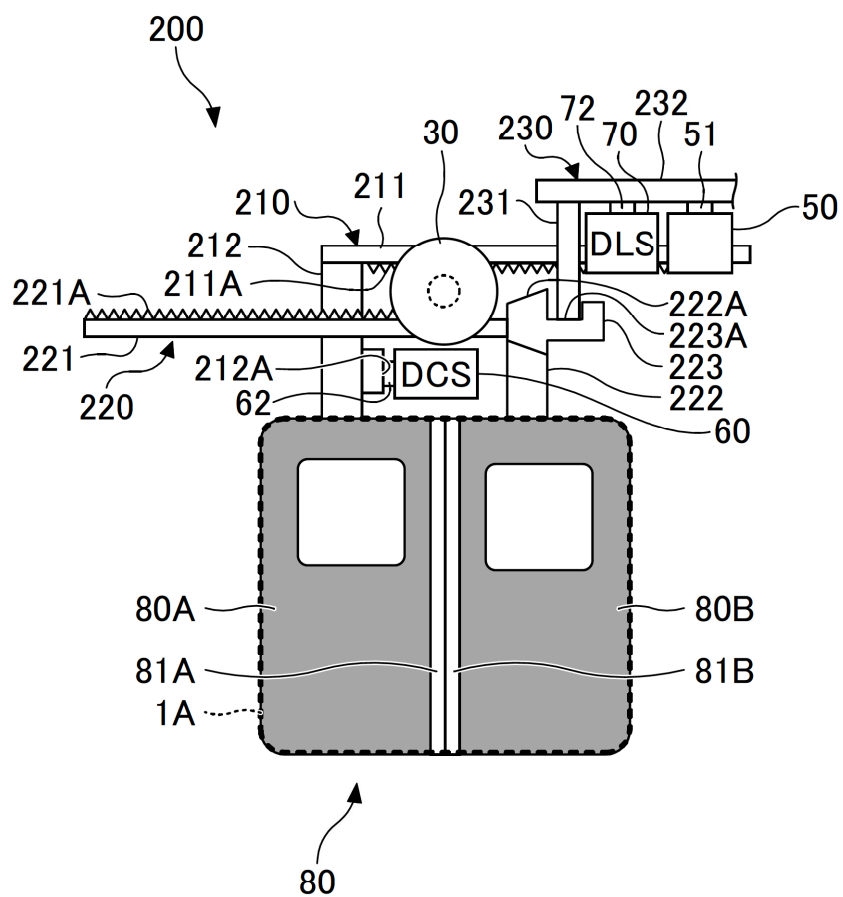


FIG.1





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FIG.3

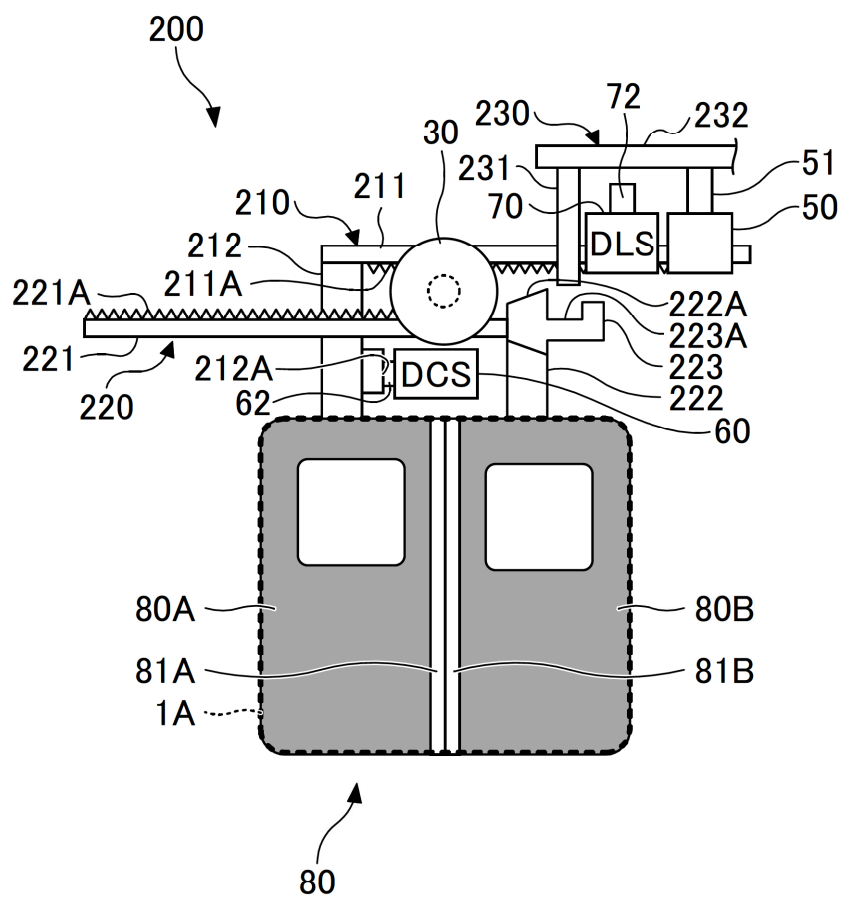
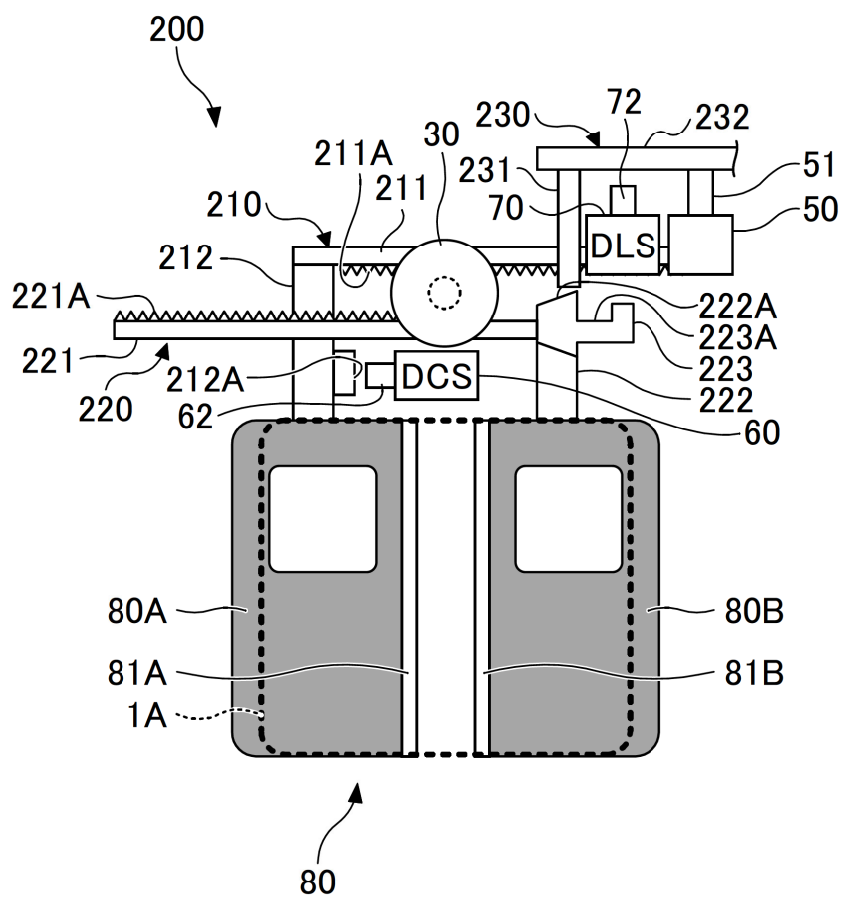
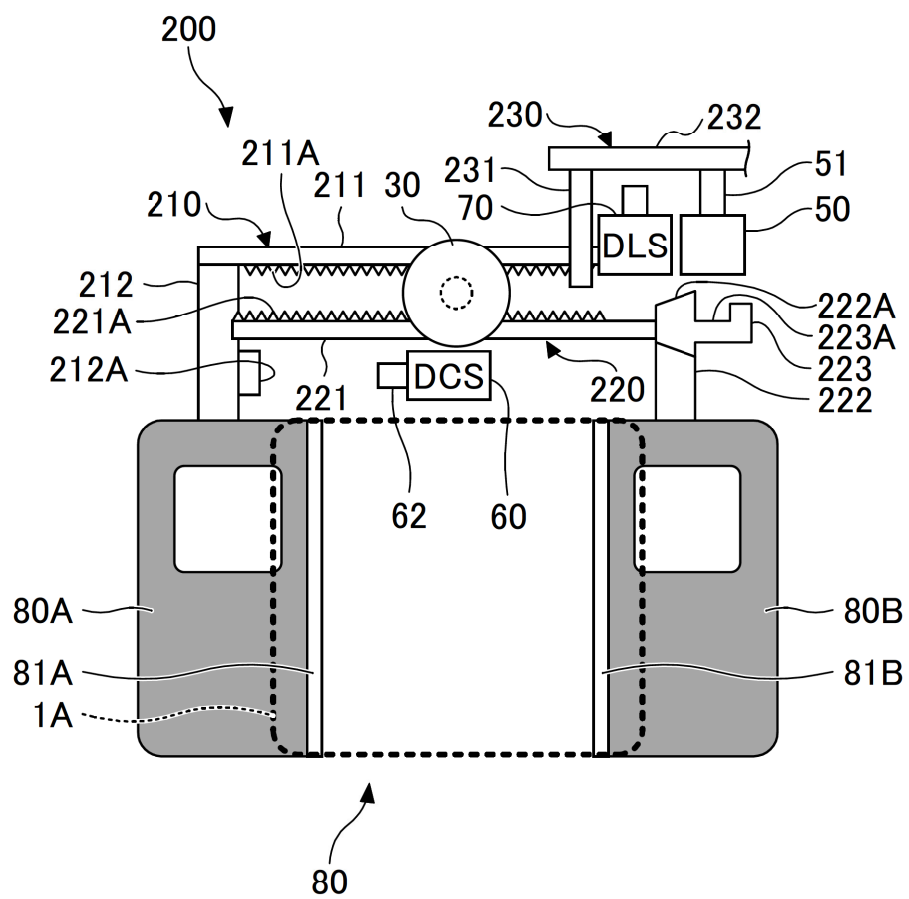


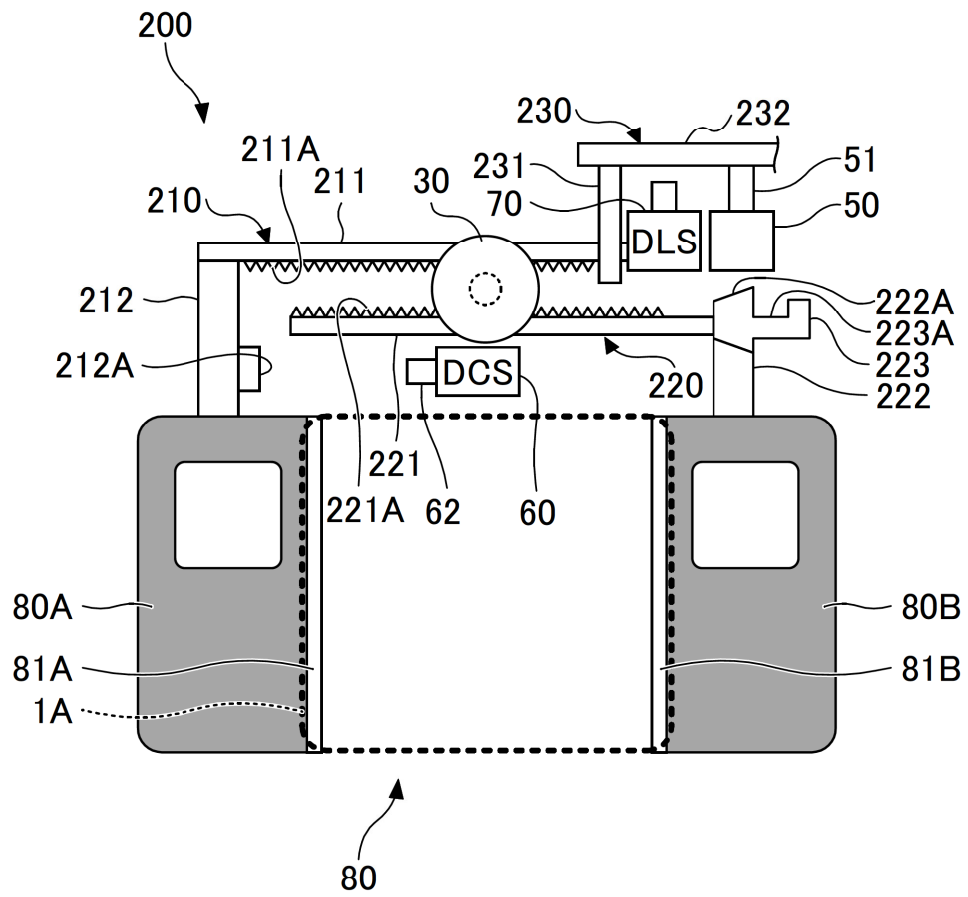
FIG.4



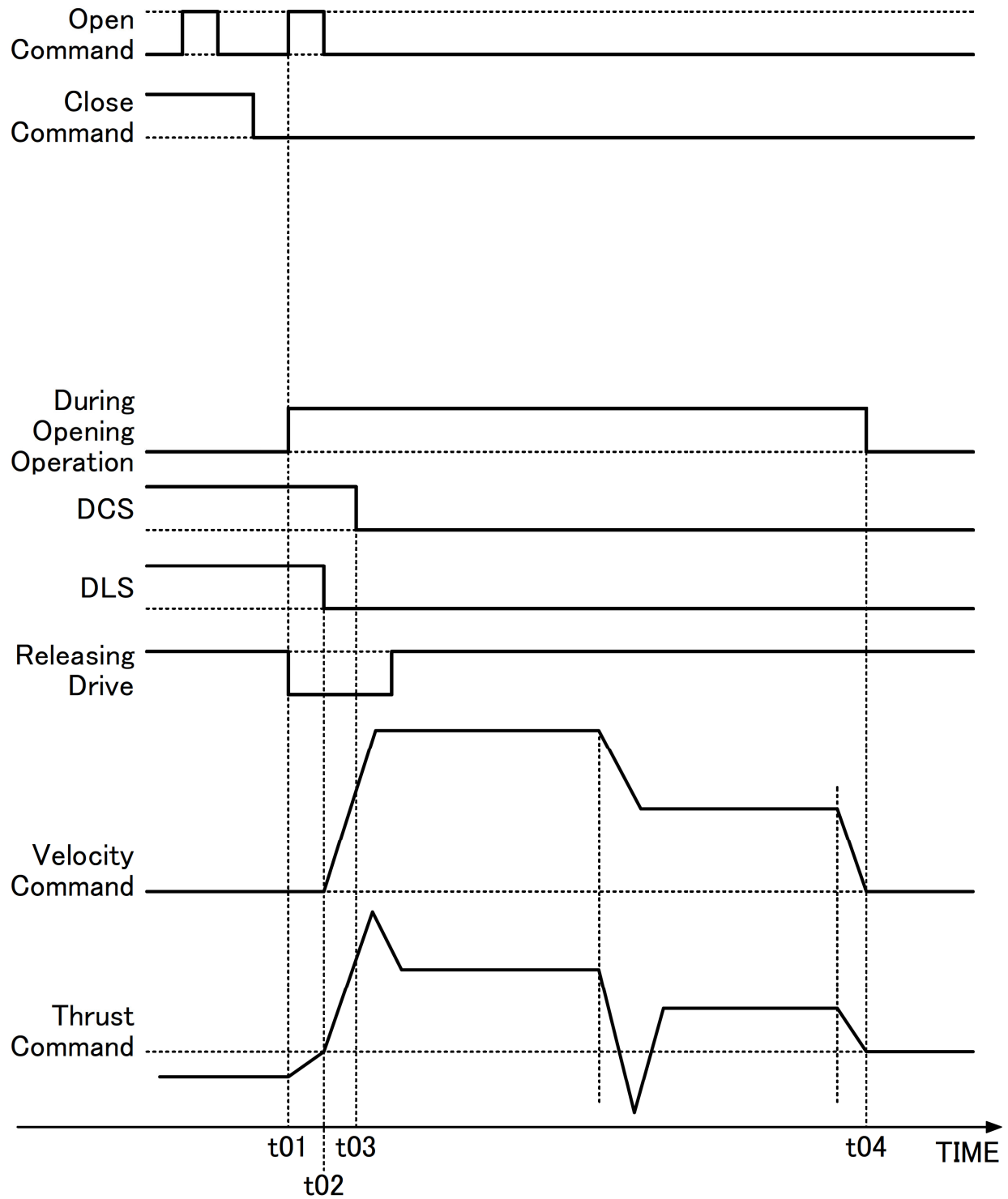
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FIG.5



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FIG.6



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FIG.7



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FIG.8

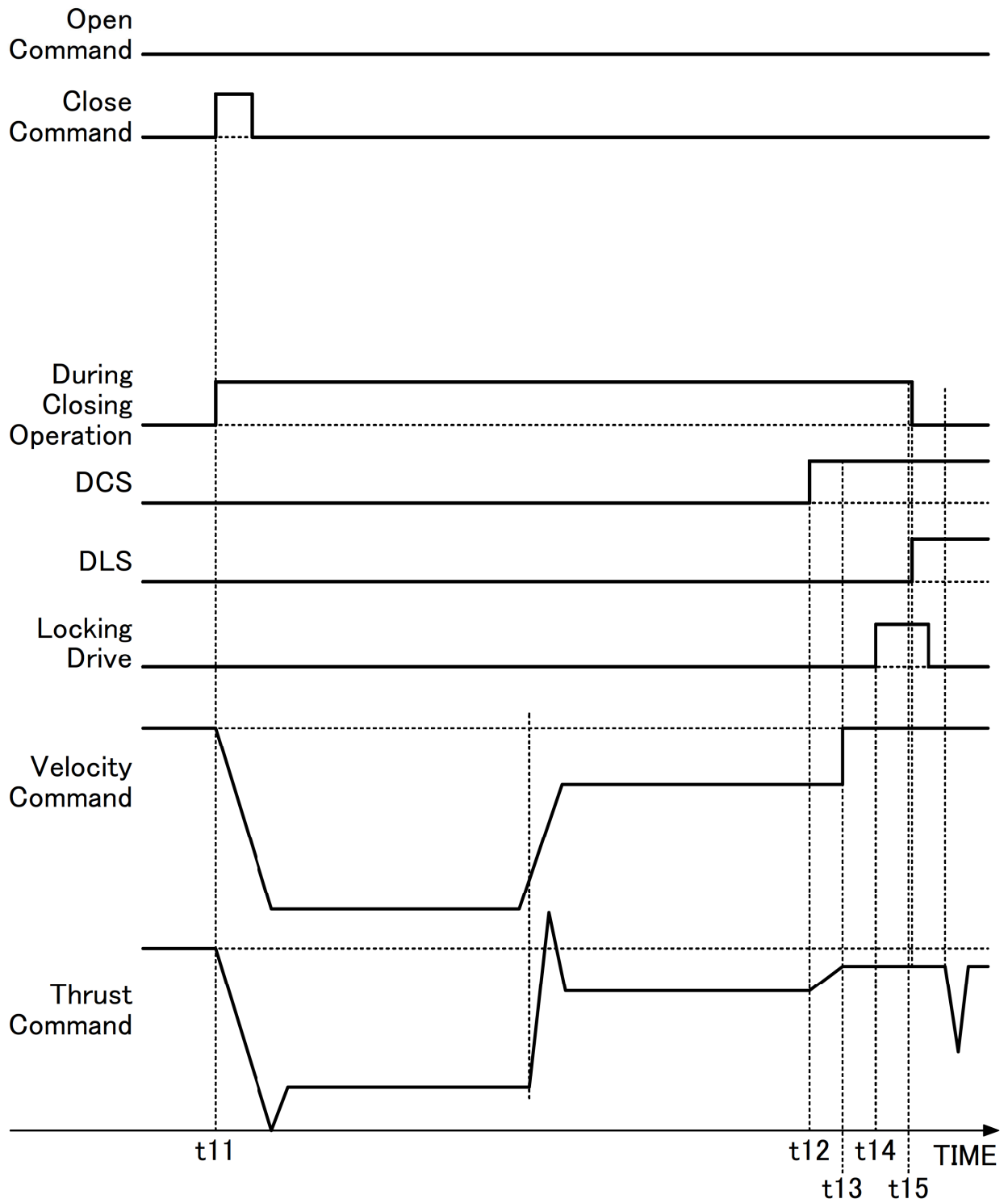


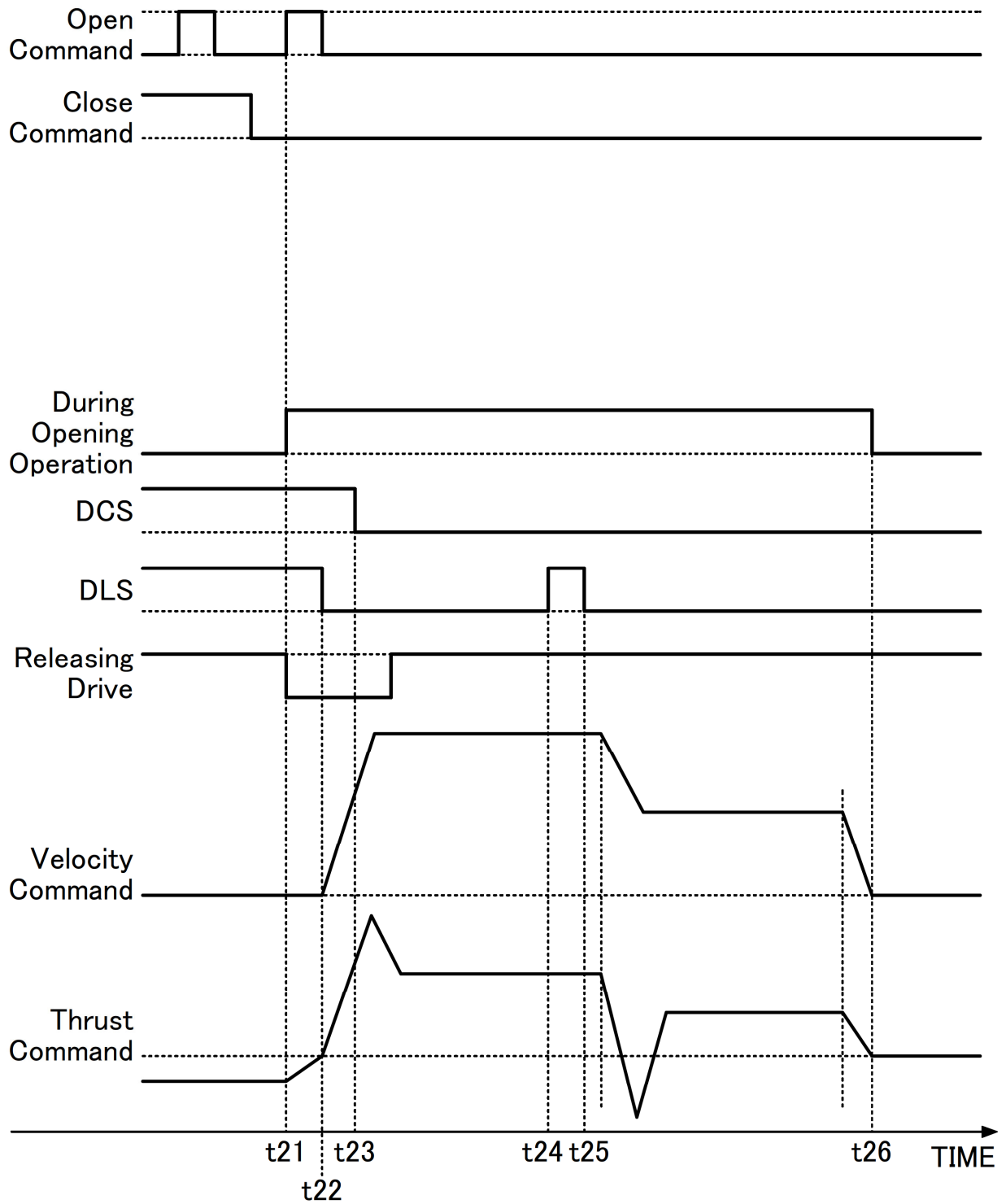
FIG.9

When Opening Door					
Door	Fully Closed & Locked	Fully Closed & Released	Start Opening Operation	During Opening Operation	Fully Open
DLS (Normal)	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
DCS (Normal)	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
Encoder Position Information	Fully Closed Position	Fully Closed Position	Opening Operation Position (Intermediate Position)	Opening Operation Position (Intermediate Position)	Fully Open Position
Conditions Determining Abnormality	Untargeted For Determination	Untargeted For Determination	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off

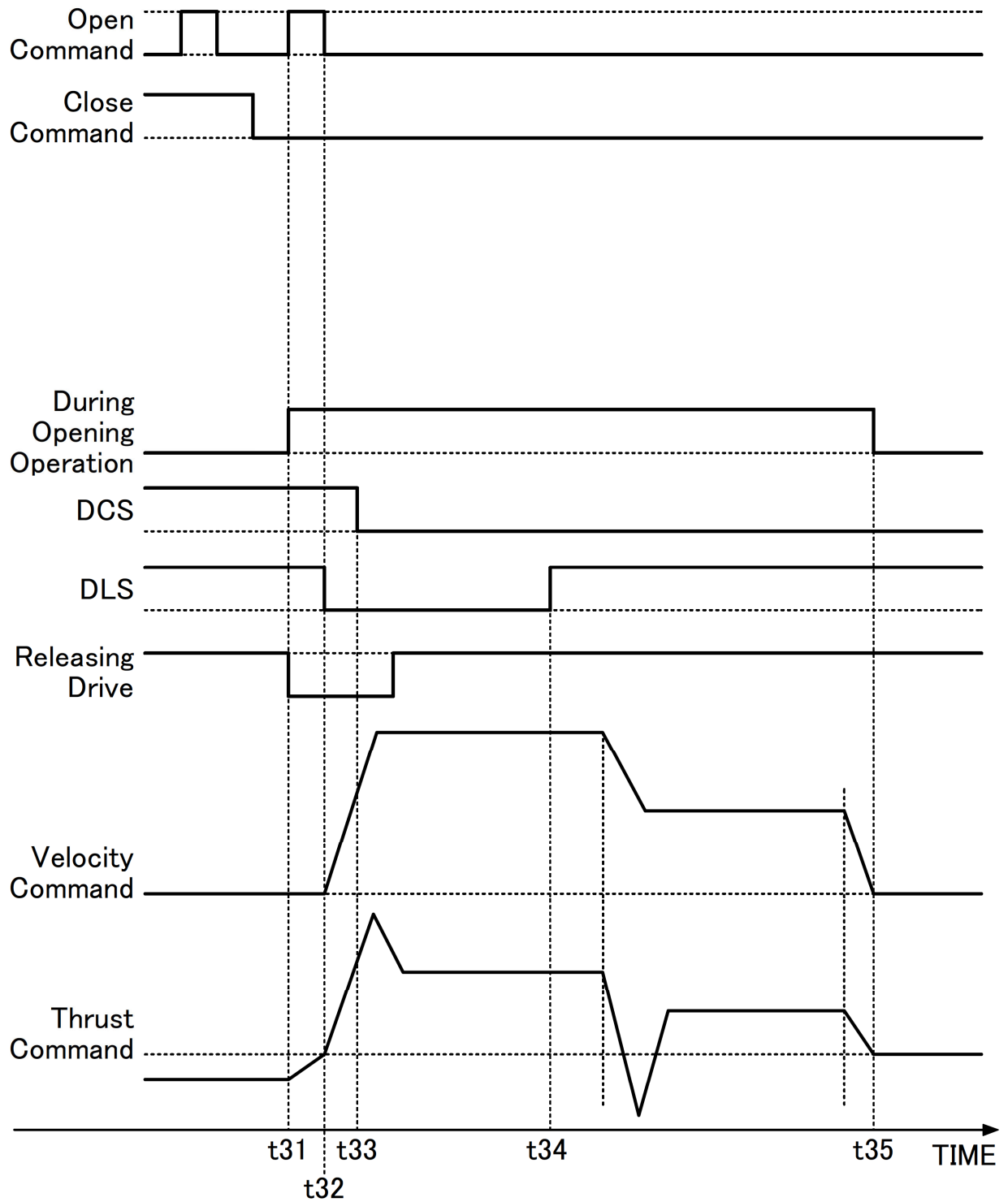
FIG.10

When Closing Door						
Door	Fully Open	Start Closing Operation	During Closing Operation	Fully Closed & Released	Fully Closed & Locked	
DLS (Normal)	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	
DCS (Normal)	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	
Encoder Position Information	Fully Open Position	Closing Operation Position (Intermediate Position)	Closing Operation Position (Intermediate Position)	Fully Closed Position	Fully Closed Position	
Conditions Determining Abnormality	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	Untargeted For Determination	Untargeted For Determination	

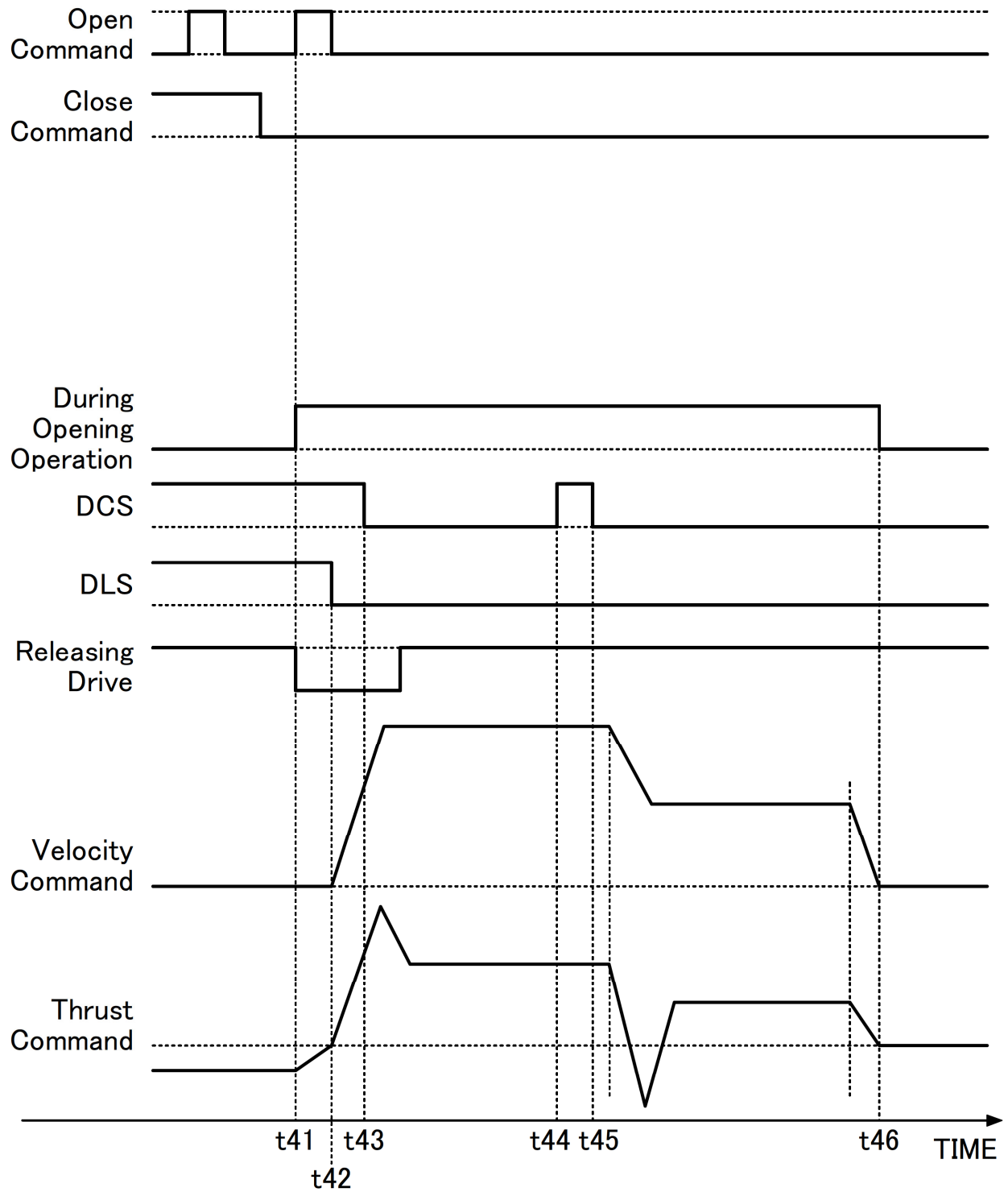
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FIG.11



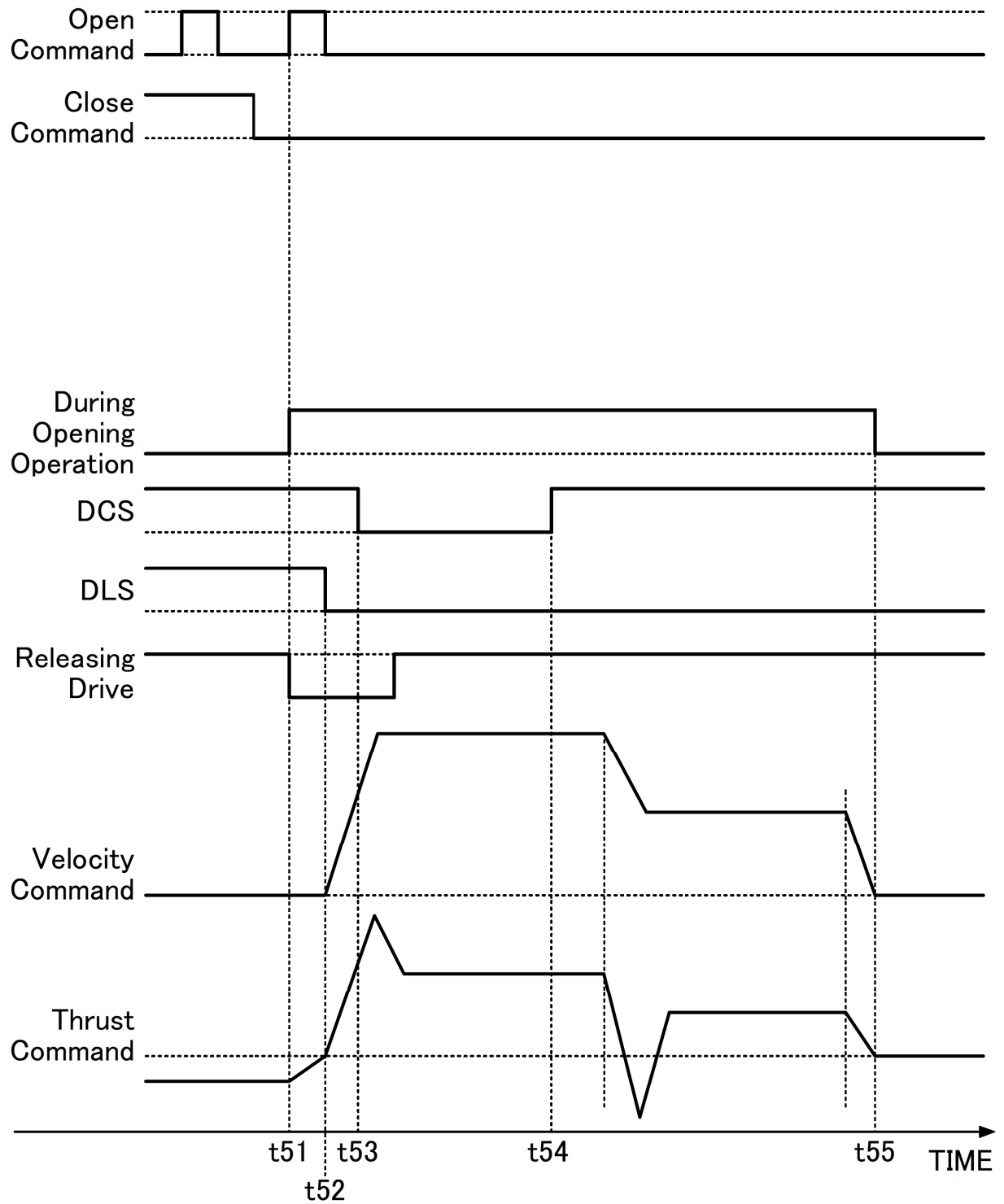
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FIG.12



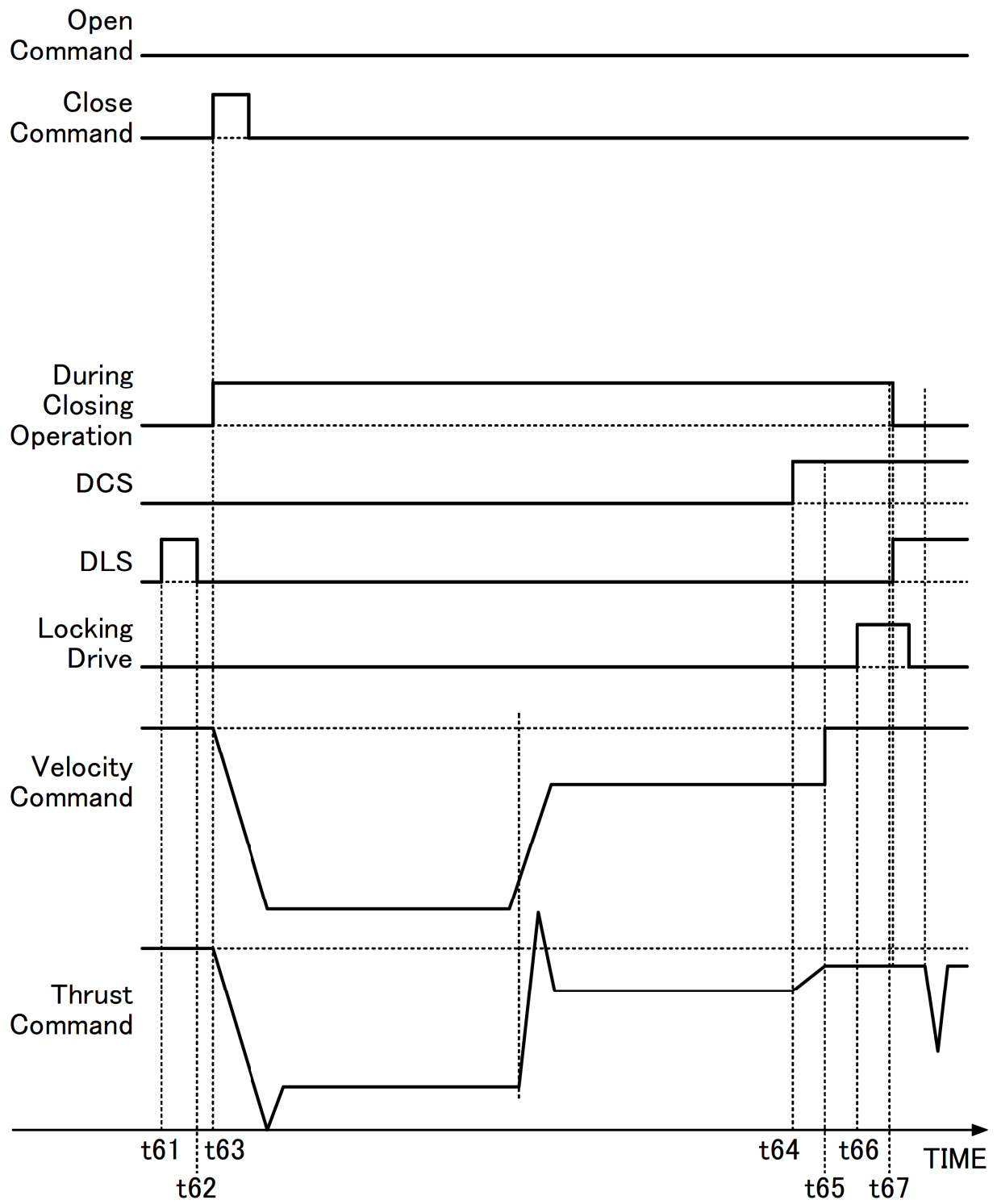
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FIG.13



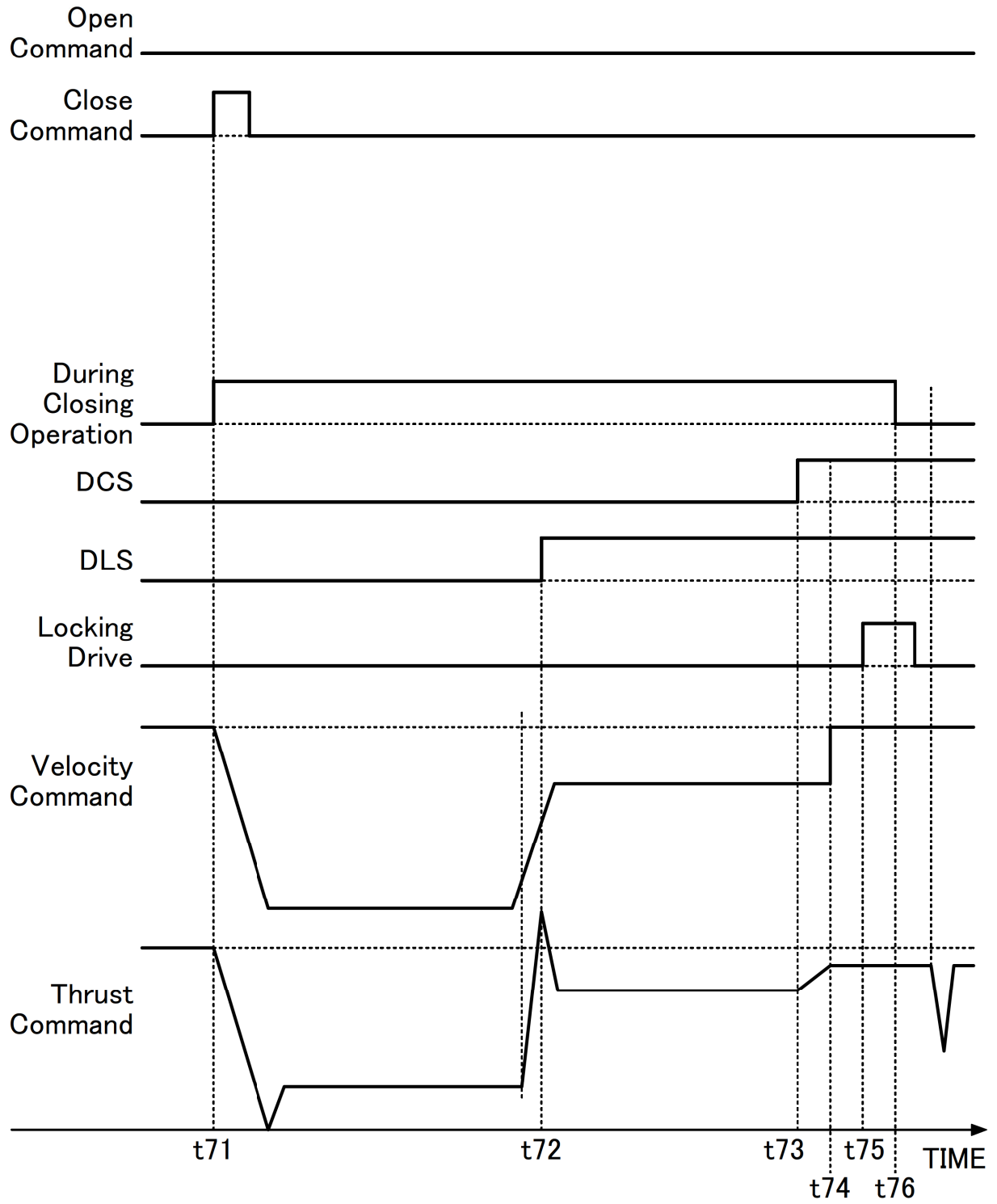
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FIG.14



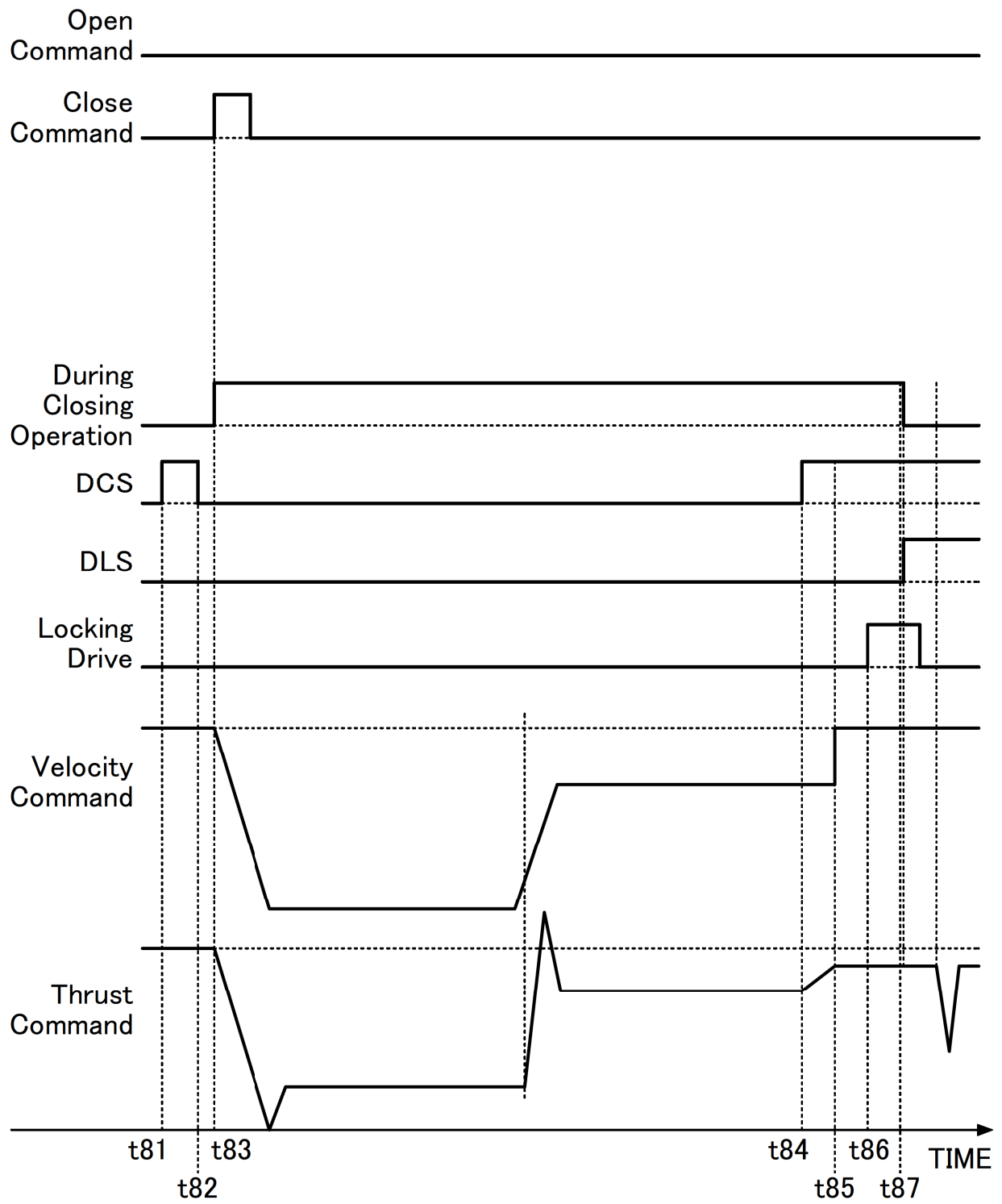
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FIG.15



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FIG.16



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FIG.17



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FIG.18

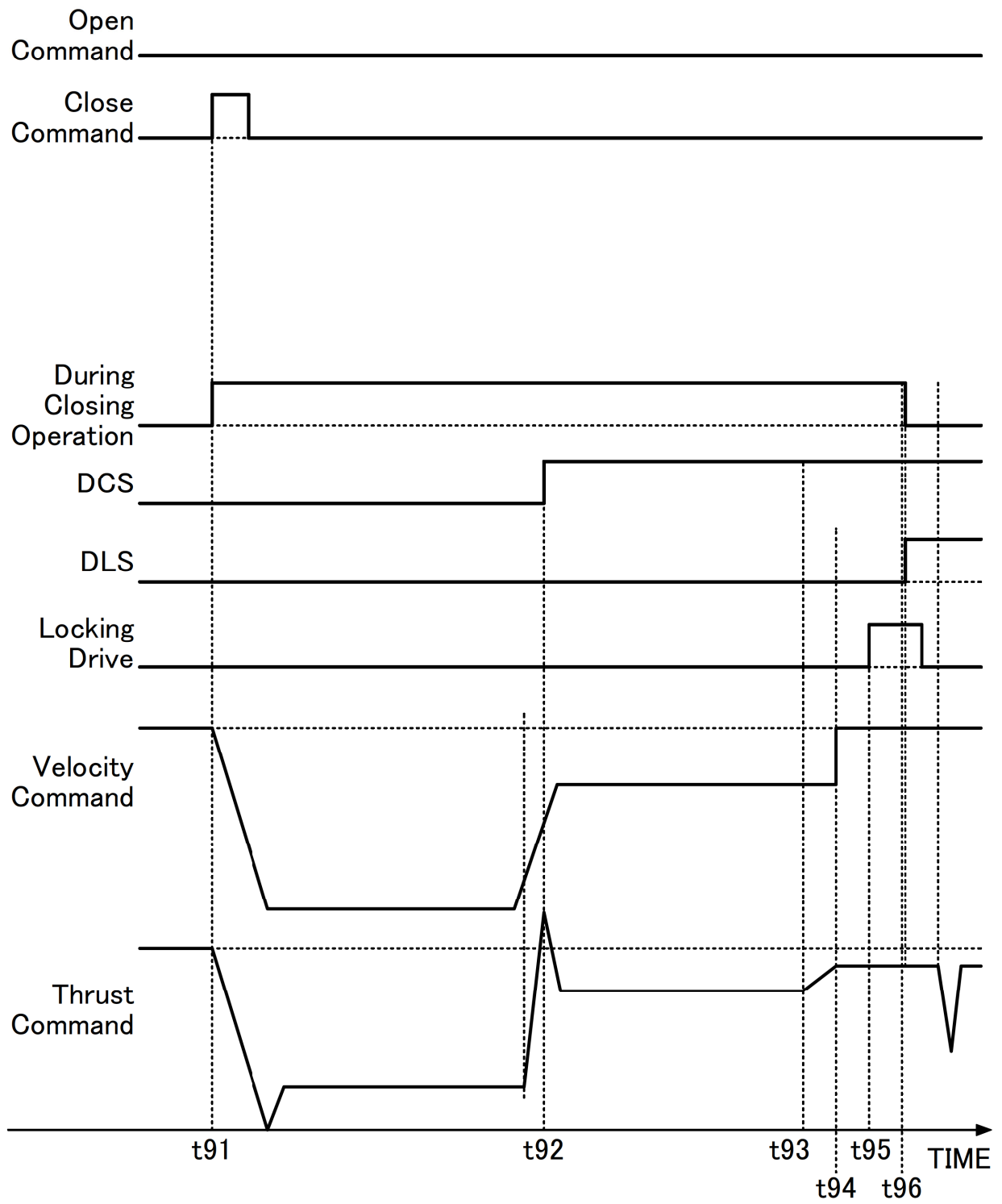


FIG.19

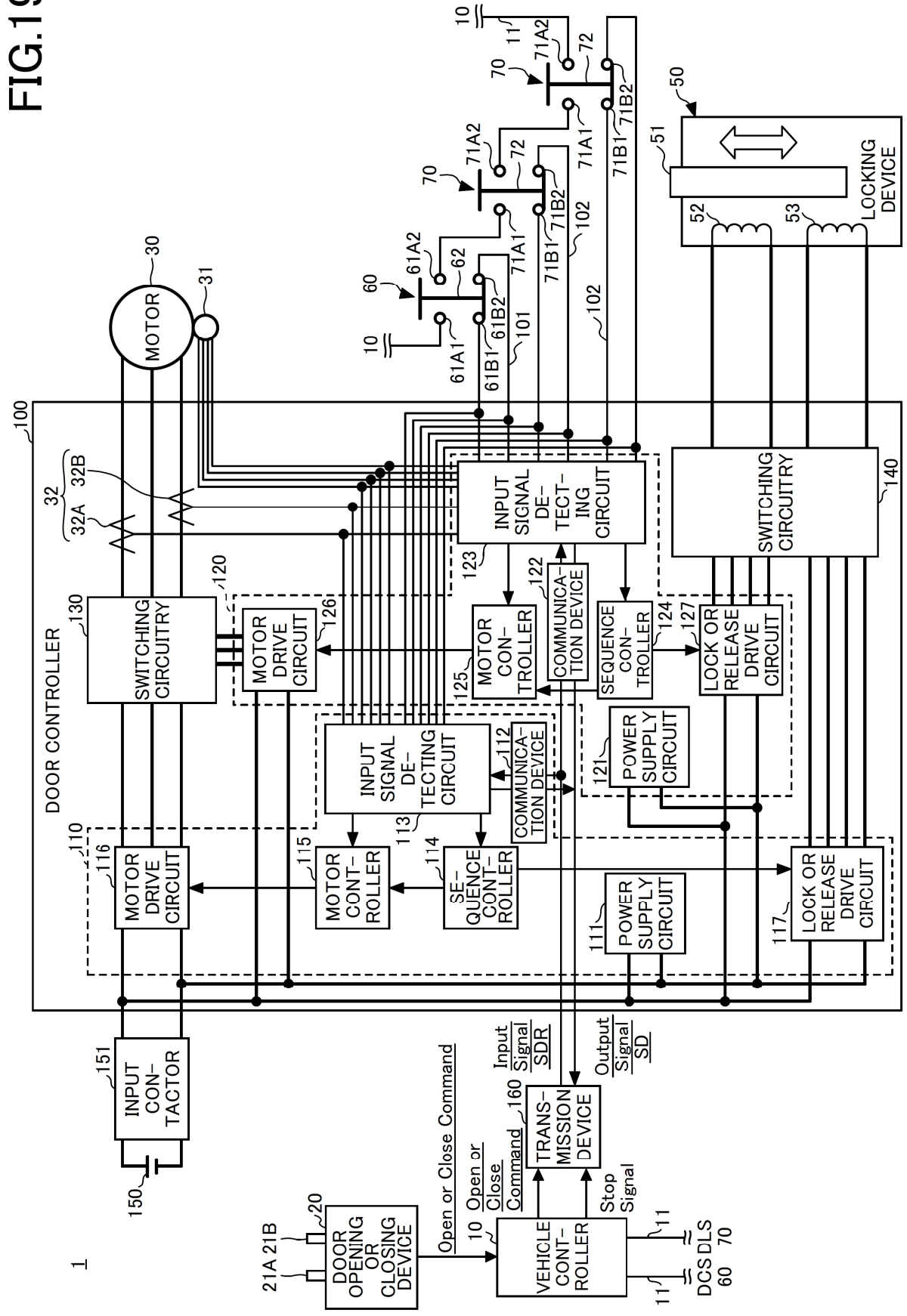


FIG.20

When Opening Door					
Door	Fully Closed & Locked	Fully Closed & Released	Start Opening Operation	During Opening Operation	Fully Open
DLS	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
DCS	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
Encoder Position Information	Fully Closed Position	Fully Closed Position	Opening Operation Position (Intermediate Position)	Opening Operation Position (Intermediate Position)	Fully Open Position
Conditions Determining Abnormality	Some DLS: A-Contact=Off B-Contact=On ⇒Abnormality of DLS All DLS: A-Contact=Off B-Contact=On ⇒Abnormality of Locking Device	Untargeted For Determination	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device

FIG.21

When Closing Door					
Door	Fully Open	Start Closing Operation	During Closing Operation	Fully Closed & Released	Fully Closed & Locked
DLS	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off
DCS	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off
Encoder Position Information	Fully Open Position	Closing Operation Position (Intermediate Position)	Closing Operation Position (Intermediate Position)	Fully Closed Position	Fully Closed Position
Conditions Determining Abnormality	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Untargeted For Determination	Some DLS: A-Contact=Off B-Contact=On ⇒ Abnormality of DLS All DLS: A-Contact=Off B-Contact=On ⇒ Abnormality of Locking Device

FIG.22

When Opening Door						
Door	Fully Closed & Locked	Fully Closed & Released	Start Opening Operation	During Opening Operation	Fully Open	
DLS (Normal)	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	
DCS (Normal)	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	
Encoder Position Information	Locked Position	Fully Closed Position	Opening Operation Position (Intermediate Position)	Opening Operation Position (Intermediate Position)	Fully Open Position	
Conditions Determining Abnormality	Untargeted For Determination	DLS: A-Contact=On B-Contact=Off DCS: Untargeted For Determination	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	

FIG.23

When Closing Door						
Door	Fully Open	Start Closing Operation	During Closing Operation	Fully Closed & Released	Fully Closed & Locked	
DLS (Normal)	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	
DCS (Normal)	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	
Encoder Position Information	Locked Position	Closing Operation Position (Intermediate Position)	Closing Operation Position (Intermediate Position)	Fully Closed Position	Locked Position	
Conditions Determining Abnormality	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: A-Contact=On B-Contact=Off	DLS: A-Contact=On B-Contact=Off DCS: Untargeted For Determination	Untargeted For Determination	

FIG.24

When Opening Door		Fully Closed & Locked	Fully Closed & Released	Start Opening Operation	During Opening Operation	Fully Open
DLS		A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
DCS		A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On
Encoder Position Information		Locked Position	Fully Closed Position	Opening Operation Position (Intermediate Position)	Opening Operation Position (Intermediate Position)	Fully Open Position
Conditions Determining Abnormality		Some DLS: A-Contact=Off B-Contact=On ⇒ Abnormality of DLS All DLS: A-Contact=Off B-Contact=On ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒ Abnormality of Locking Device

FIG.25

When Closing Door					
Door	Fully Open	Start Closing Operation	During Closing Operation	Fully Closed & Released	Fully Closed & Locked
DLS	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off
DCS	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=Off B-Contact=On	A-Contact=On B-Contact=Off	A-Contact=On B-Contact=Off
Encoder Position Information	Fully Open Position	Closing Operation Position (Intermediate Position)	Closing Operation Position (Intermediate Position)	Fully Closed Position	Locked Position
Conditions Determining Abnormality	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=On B-Contact=Off ⇒Abnormality of DLS All DLS: A-Contact=On B-Contact=Off ⇒Abnormality of Locking Device	Some DLS: A-Contact=Off B-Contact=On ⇒Abnormality of DLS All DLS: A-Contact=Off B-Contact=On ⇒Abnormality of Locking Device