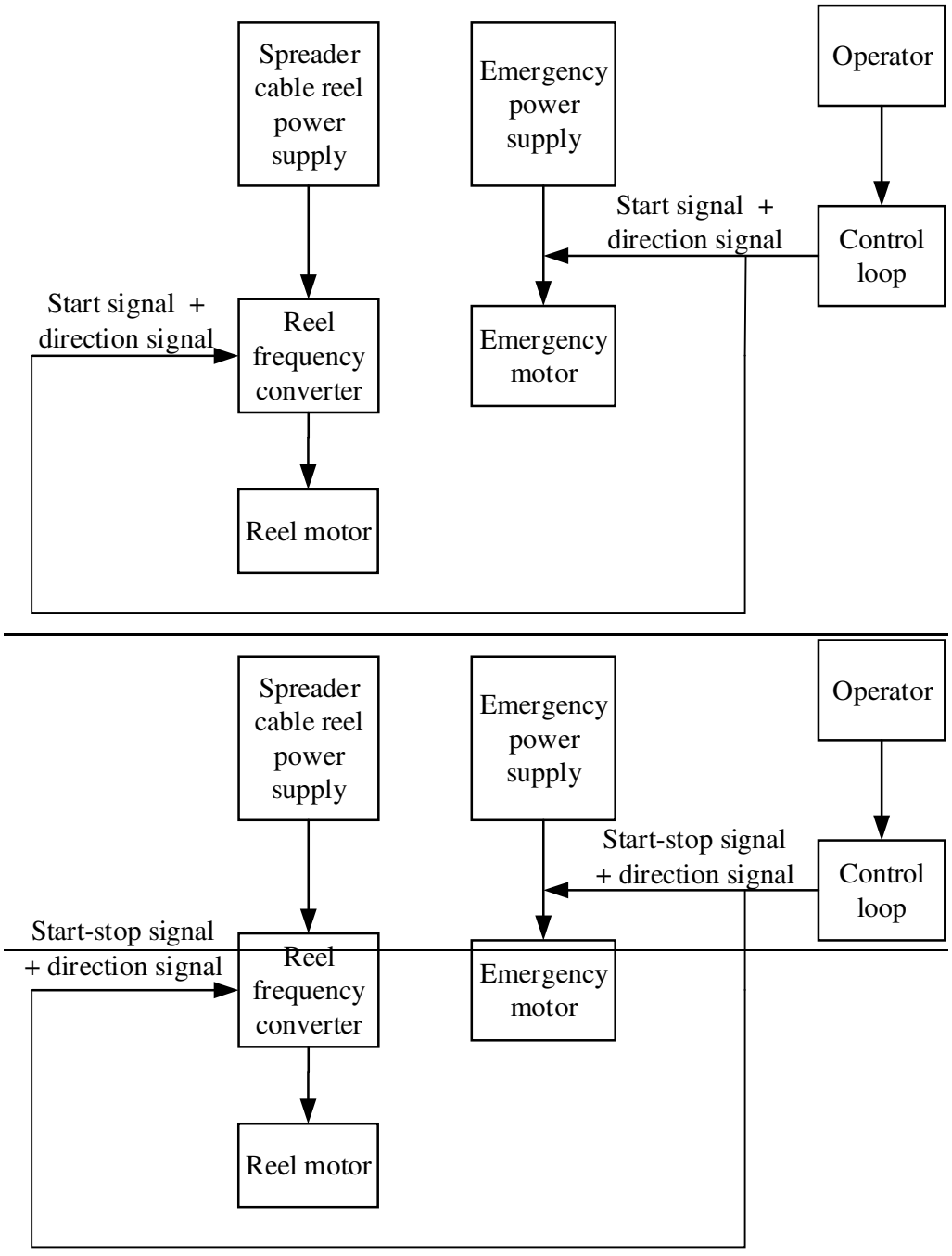

Spreader cable reel power supply
Emergency power supply
Operator
Start signal + direction signal
Control loop
Start signal + direction signal
Reel frequency converter
Emergency motor
Reel motor
Spreader cable reel power supply
Emergency power supply
Operator
Start-stop signal + direction signal
Control loop
Start-stop signal + direction signal
Reel frequency converter
Emergency motor
Reel motor

FIG. 6

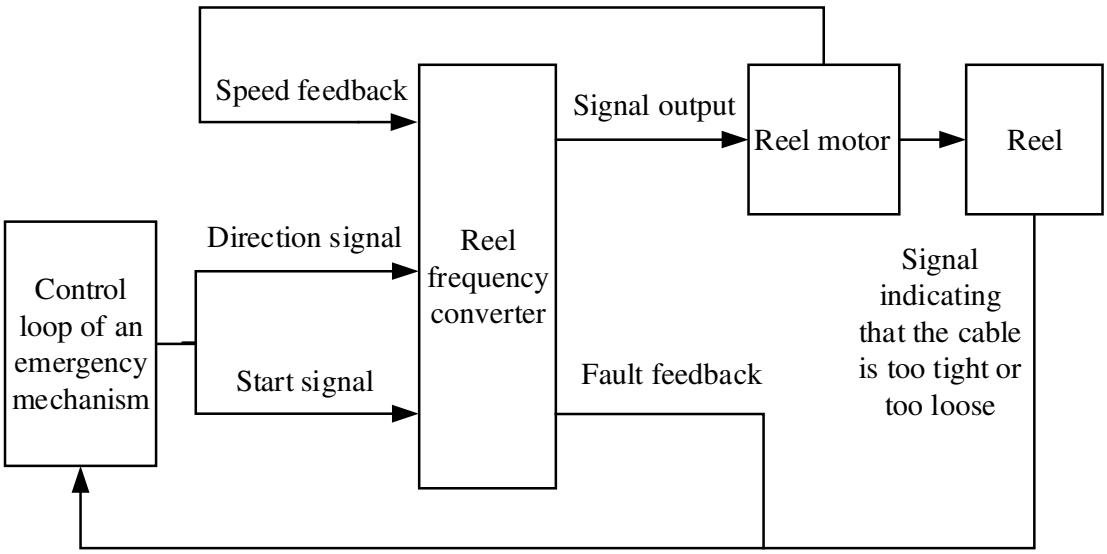

Speed feedback
Signal output
Reel motor
Reel
Direction signal
Reel frequency converter
Control loop of an emergency mechanism
Signal indicating that the cable is too tight or too loose
Start signal
Fault feedback

FIG. 7