

Figure 1: depicts the overall invention.

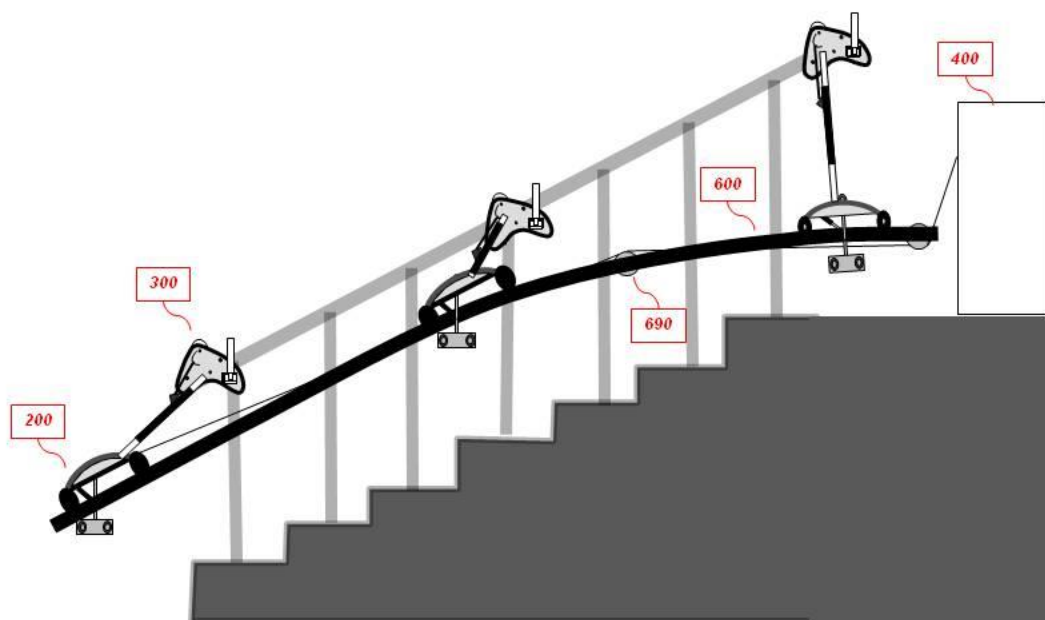


Figure 2: depicts how the FreeClimber system transports a wheelchair from the bottom to the top of the staircase.

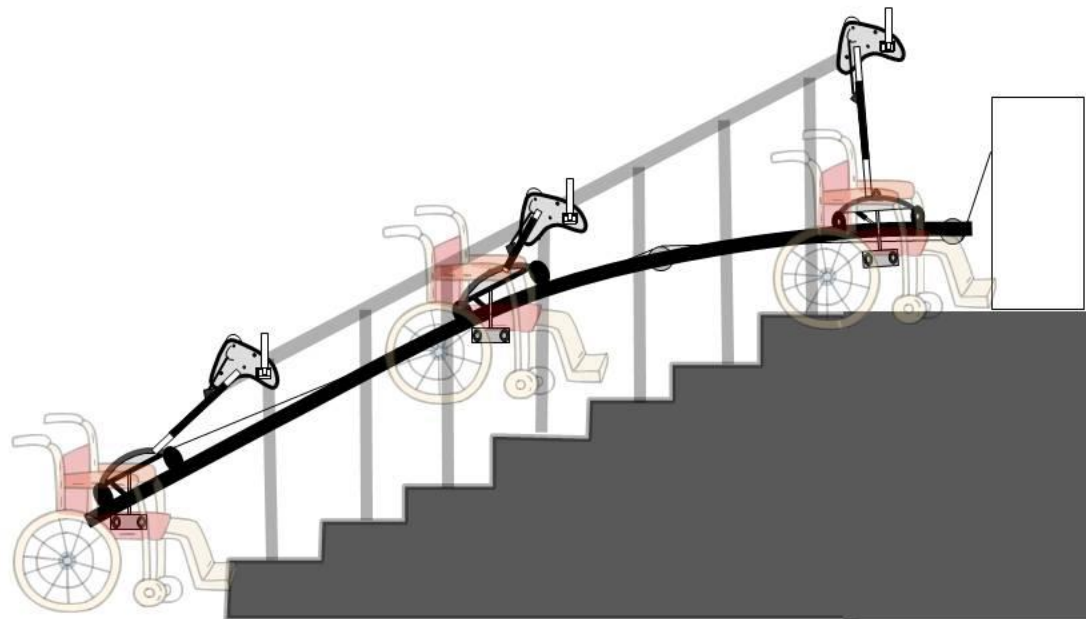


Figure 3: is a functional breakdown structure of the FreeClimber system.

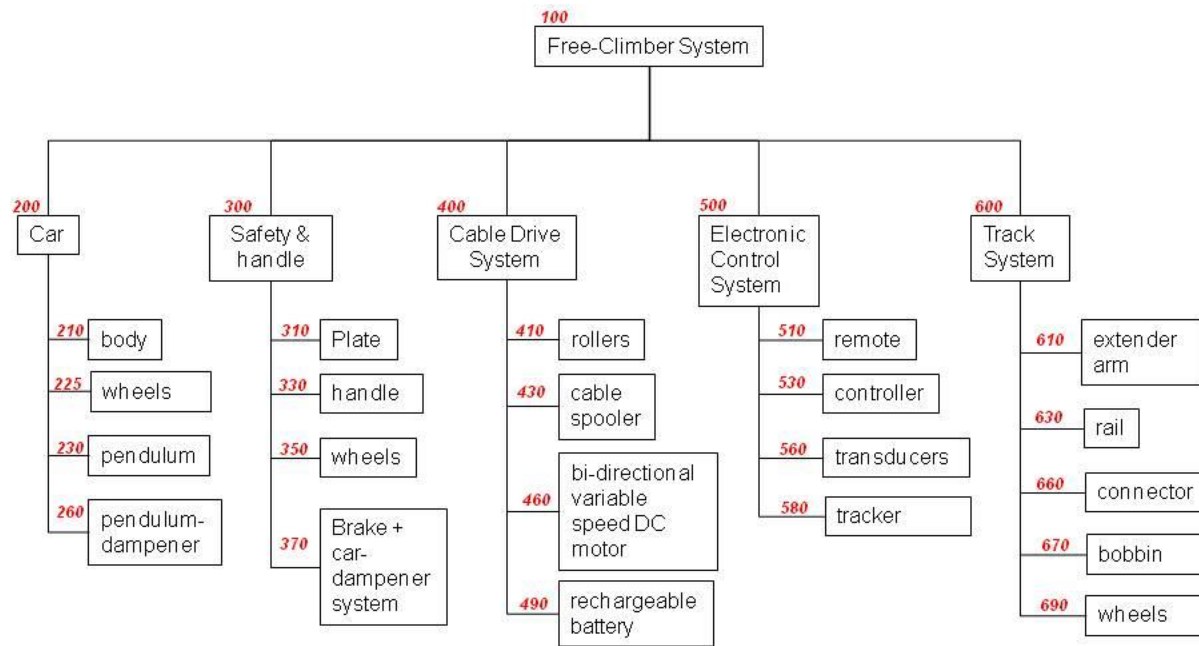


Figure 4: depicts the Car (200).

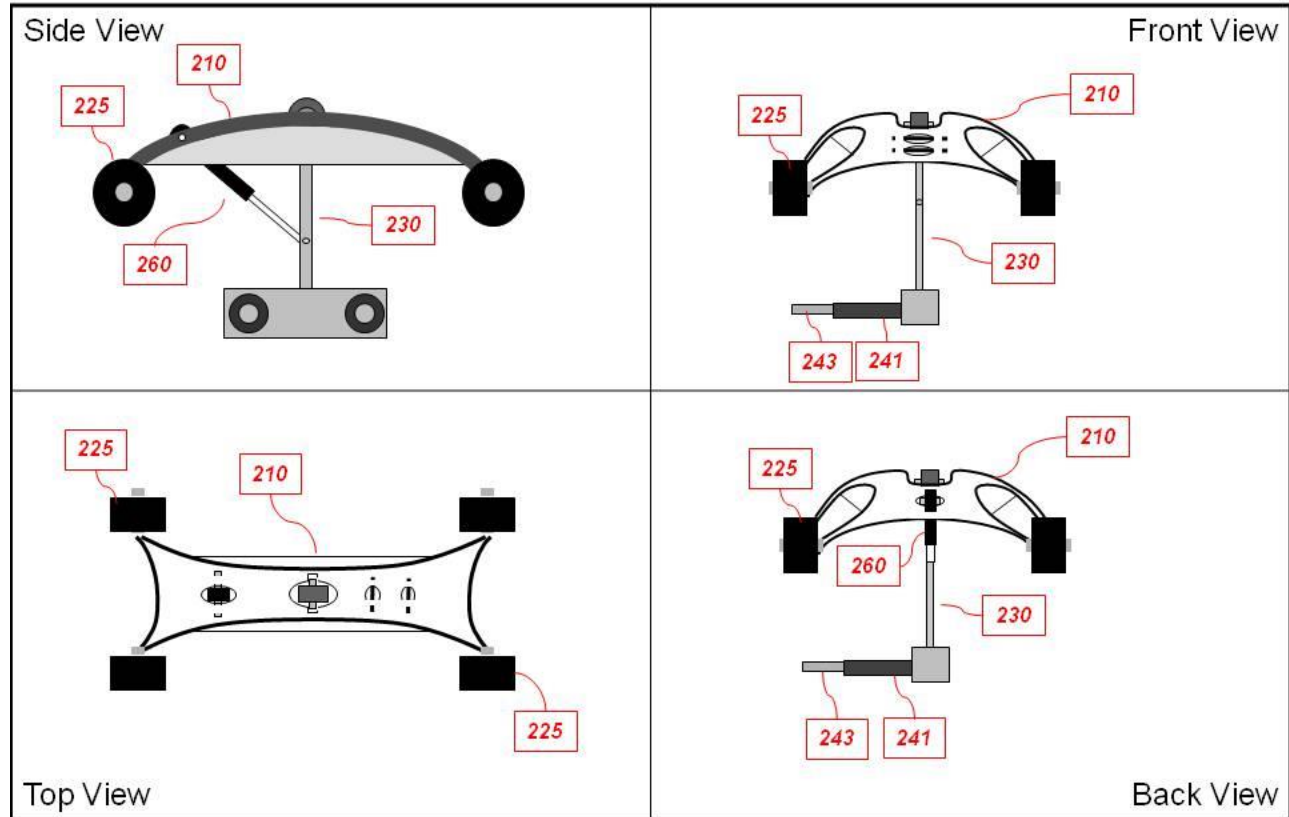


Figure 5: further depicts the Body (210) which is a part of the Car (200).

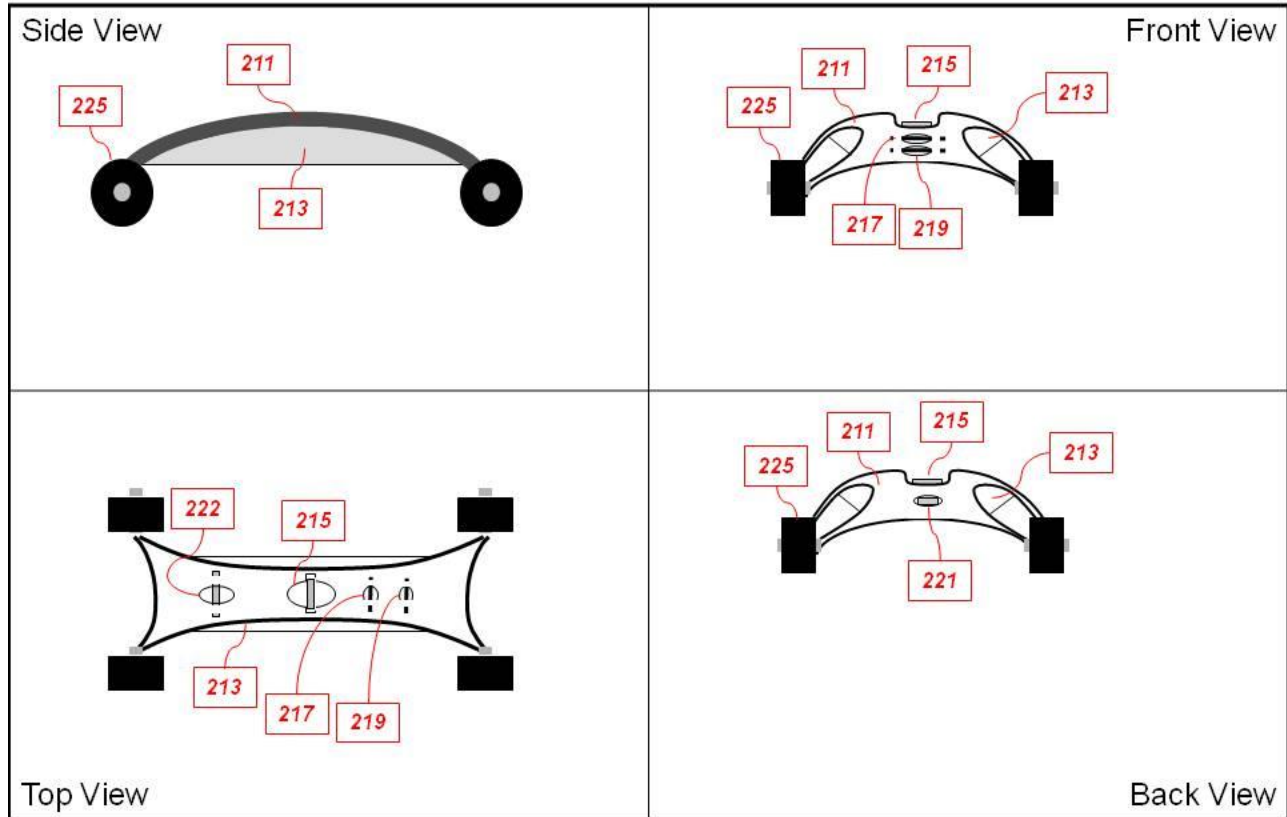


Figure 6: further depicts the pendulum (230) which is a part of the Car (200).

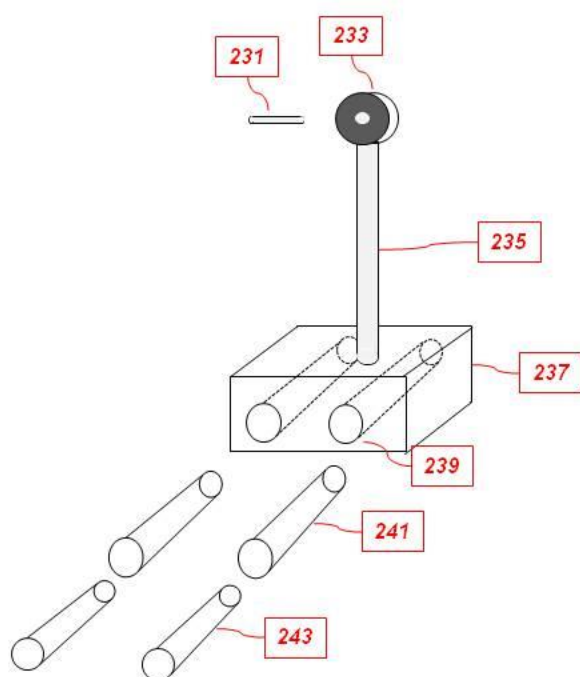


Figure 7: depicts the pendulum-dampener (260) which is a part of the Car (200).

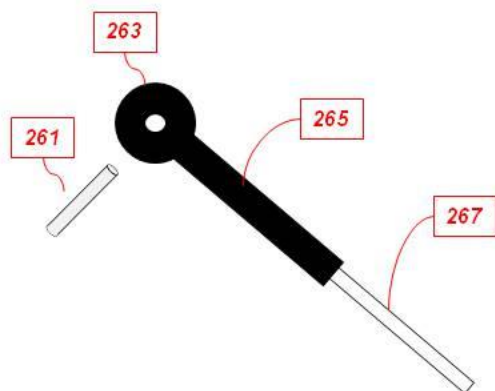


Figure 8: depicts the Safety & Handle System (300).

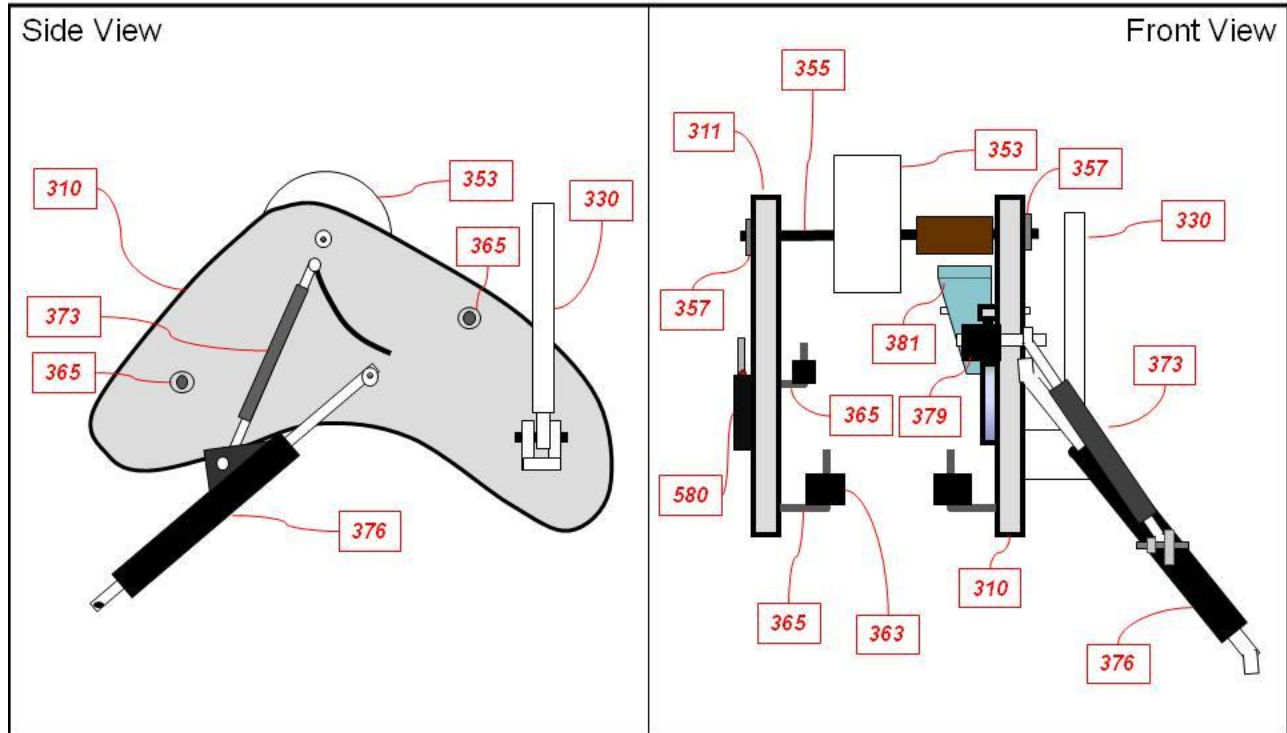


Figure 9: further depicts the Brake + Car-Dampener system (370) which is a part of the Safety & Handle System (300).

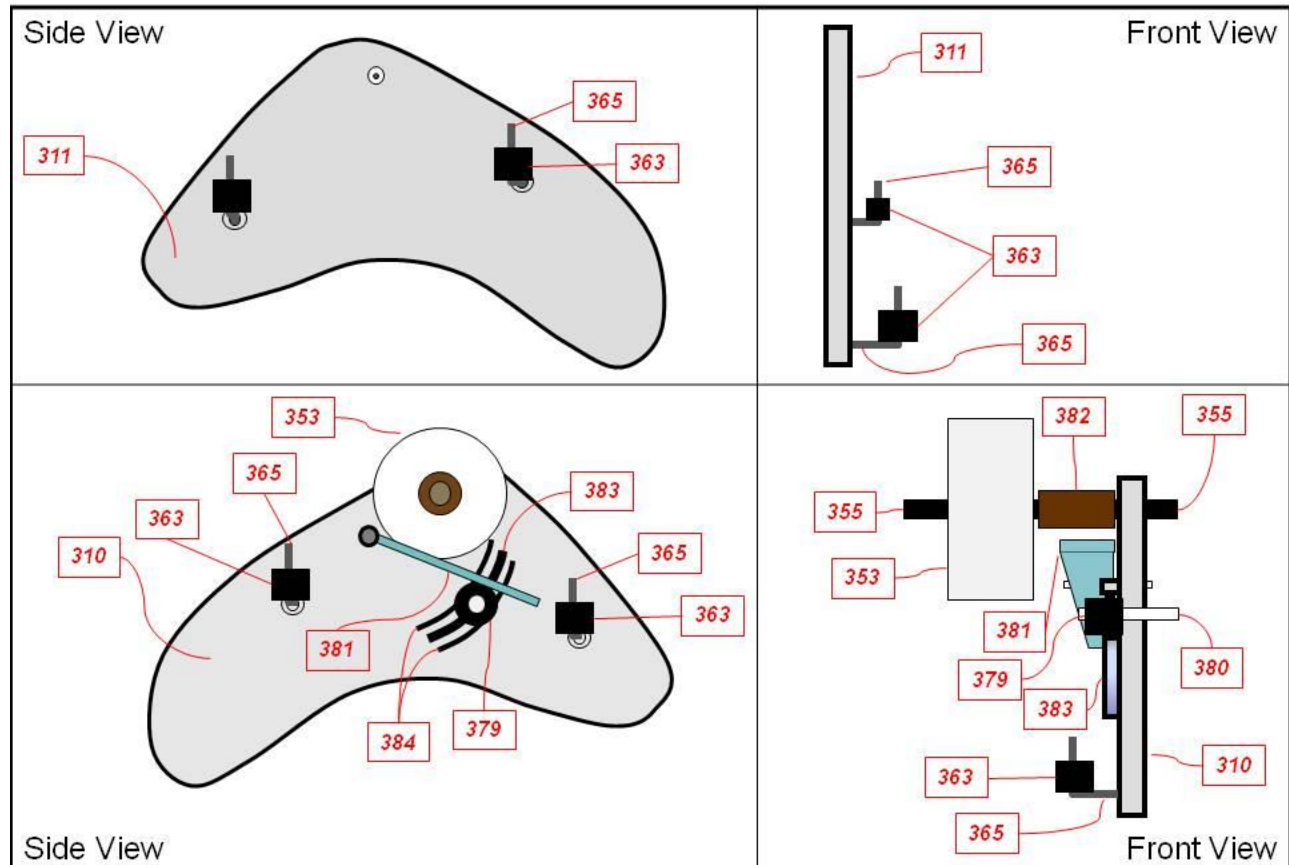


Figure 10: illustrates the Brake Pneumatic (373) and Car Dampener (376) of the Safety & Handle System (300) .

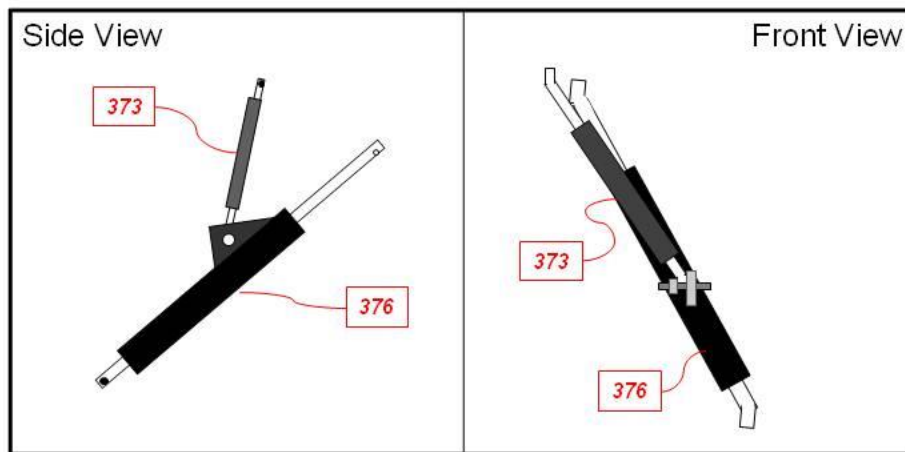


Figure 11: depicts the Handle (330) which is part of the which is a part of the Safety & Handle System (300).

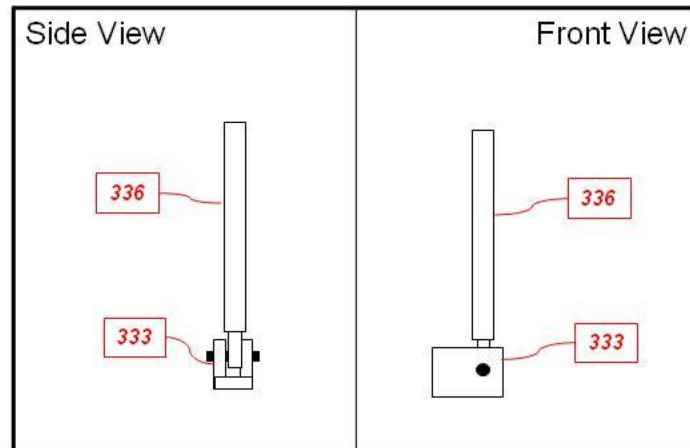


Figure 12: depicts the Cable Drive System (400).

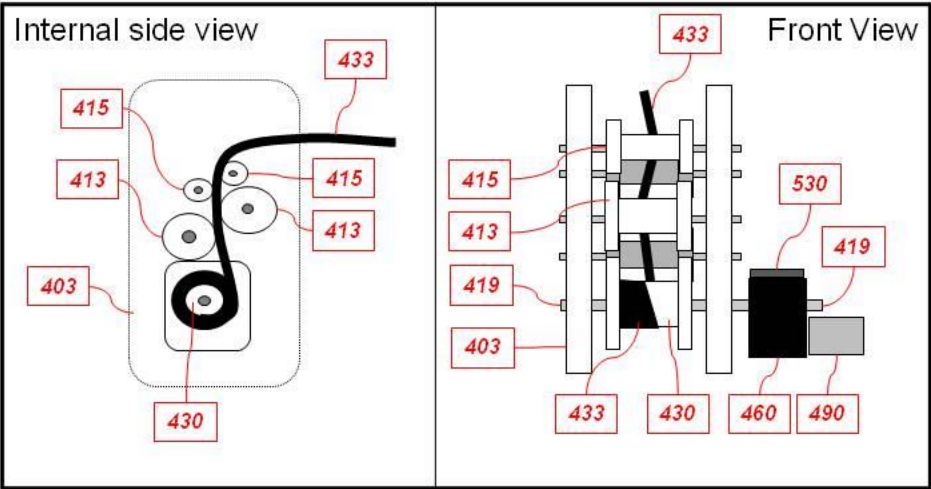


Figure 13: further depicts the Remote (510) which is a part of the Electronic Control System (500).

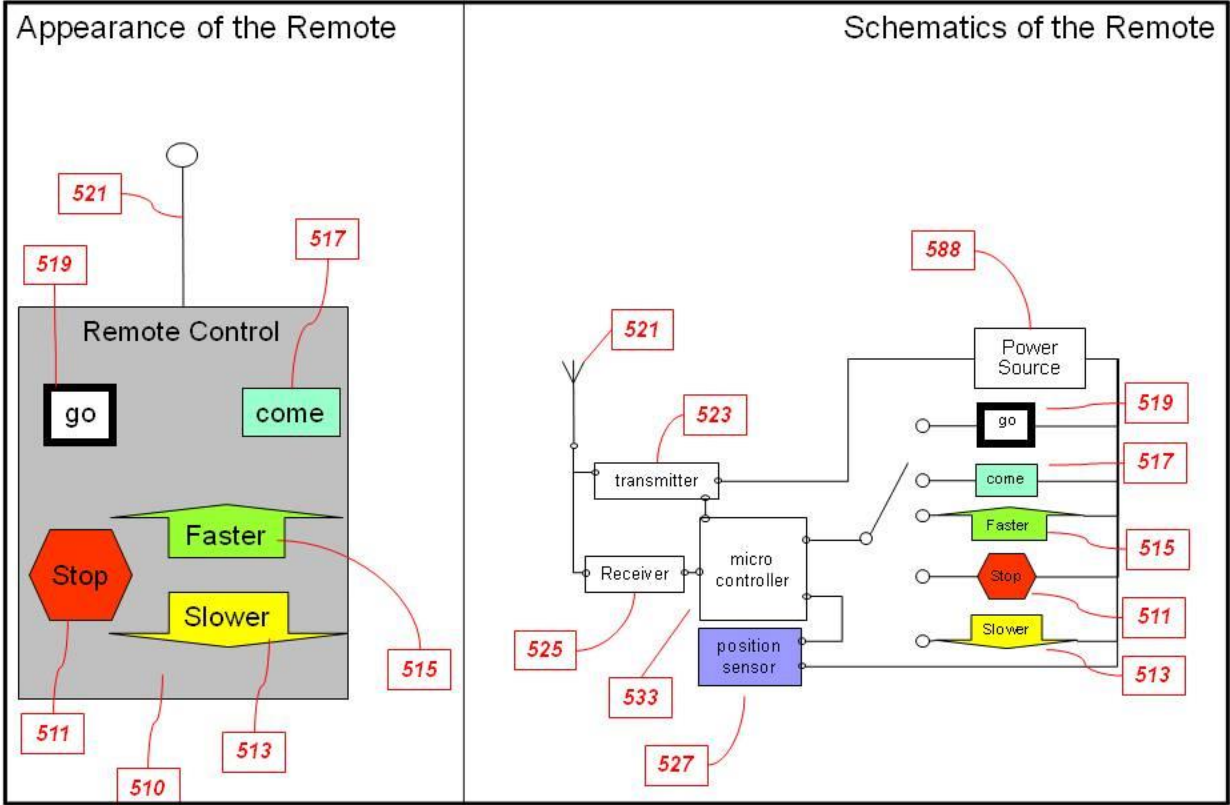


Figure 14: further depicts the Controller (530) which is a part of the Electronic Control System (500).

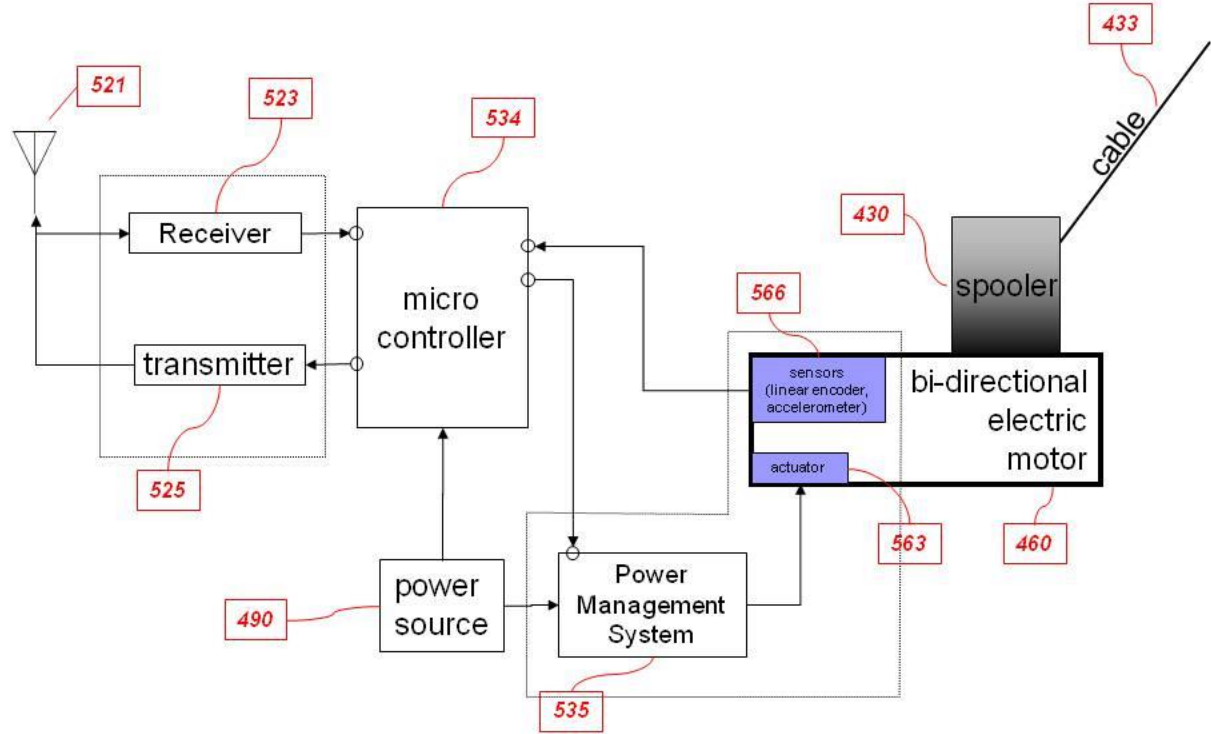


Figure 15: depicts the tracker (580) which is a part of the Electronic Control System (500).

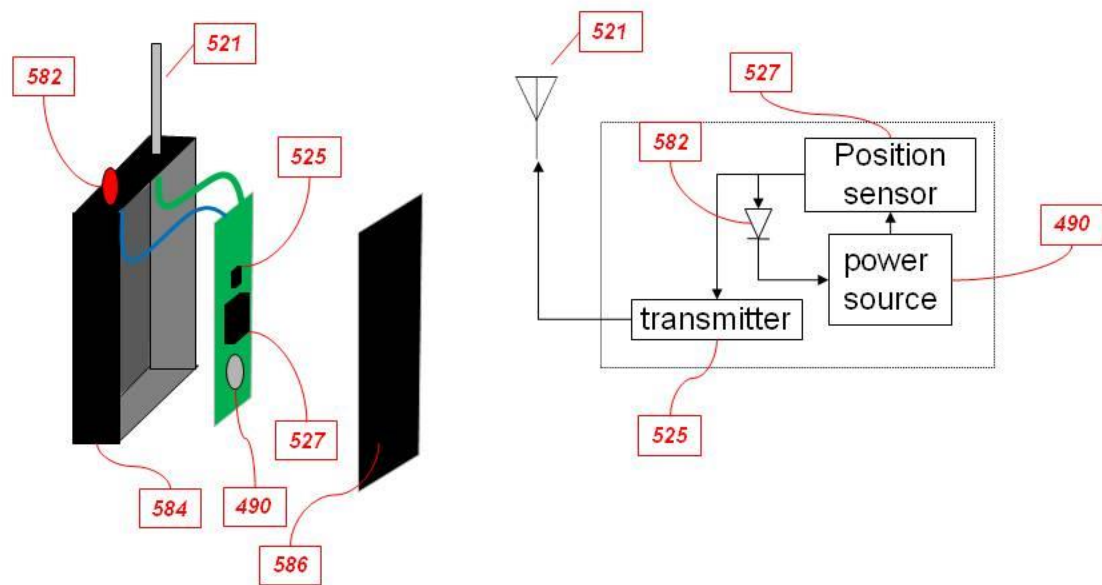


Figure 16: depicts the Rail (630) which is a part of the Track System (600).

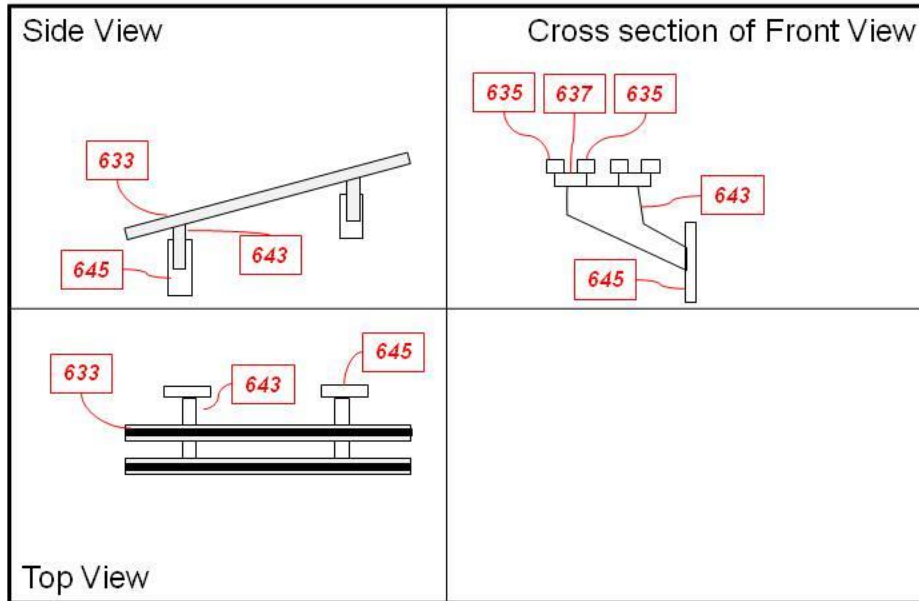


Figure 17: depicts the Connector Rail (660) which is a part of the Track System (600).

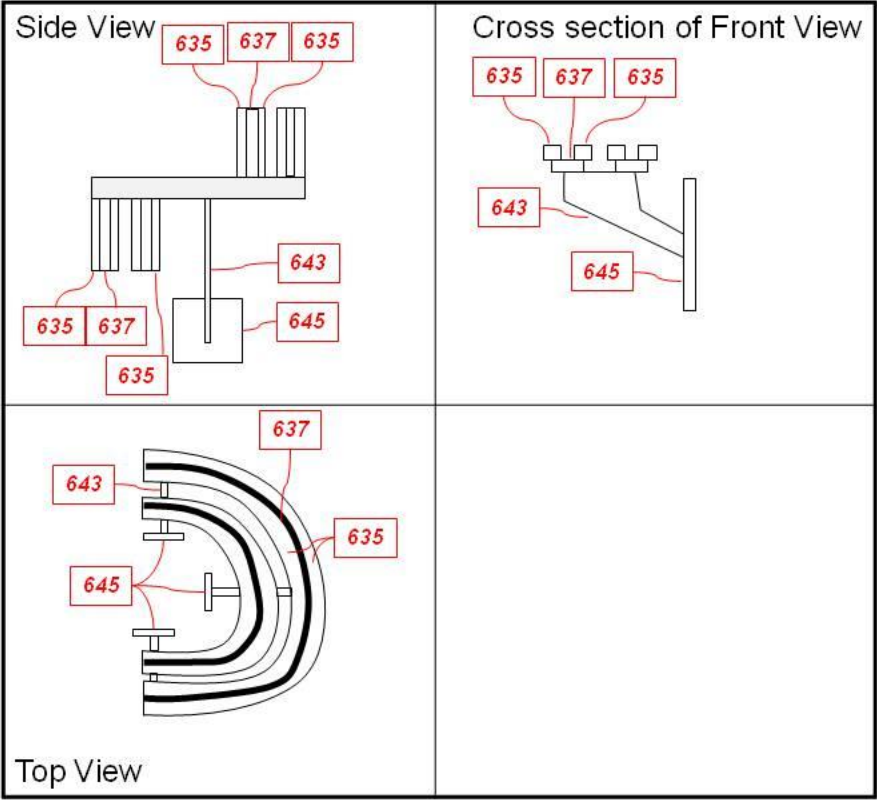


Figure 18: further depicts the Extender Arm (610) which is a part of the Track System (600).

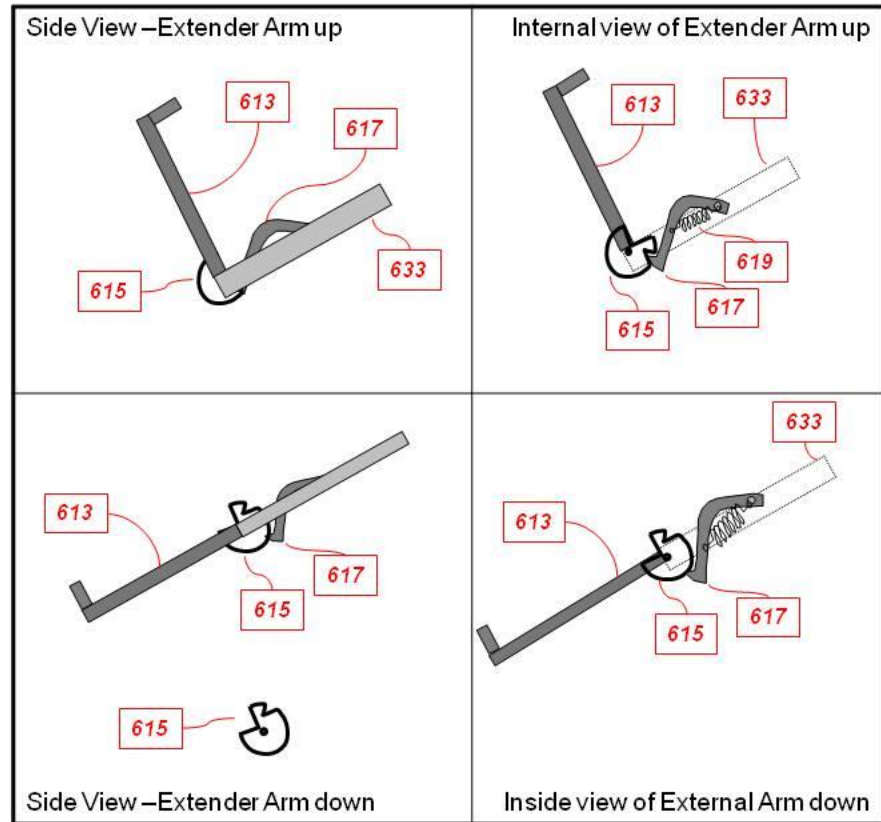


Figure 19: further depicts the bobbin (670).

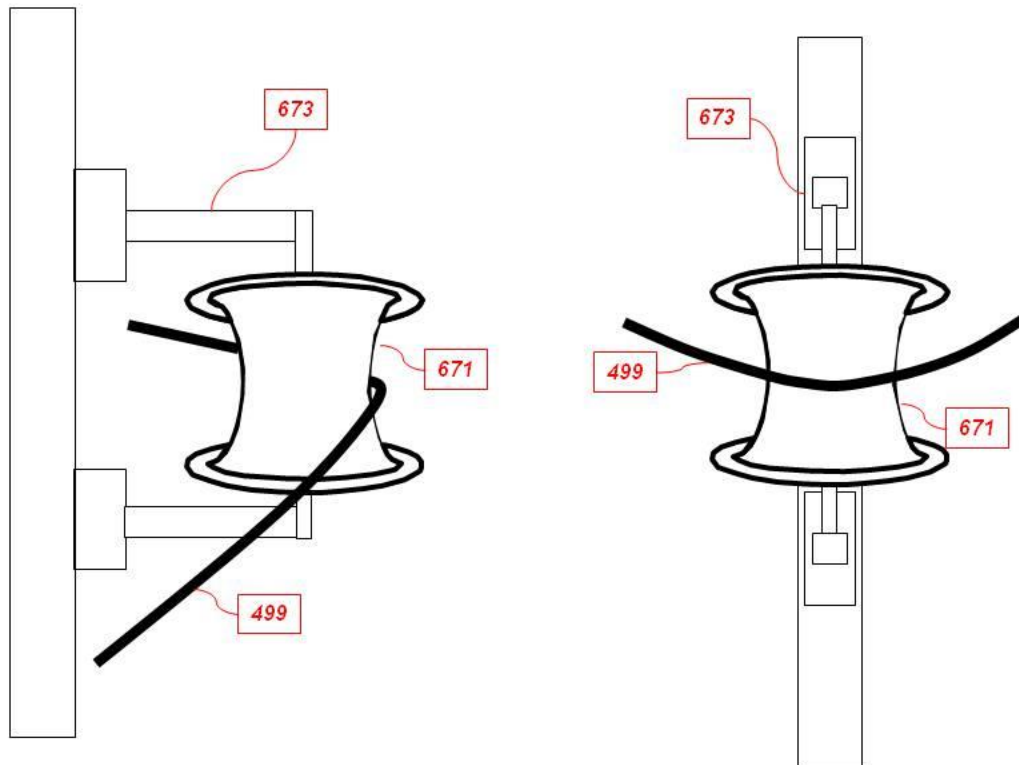


Figure 20: depicts how the Cable Drive System (400), the Car (200) and the Extender Arm (610) would interact.

