

88.Pneumatic Overwing Exit System

Abstract –

We are fabricating a pneumatic operated emergency overwing exit system in aircrafts, which uses pneumatic cylinder to slide down the roller when the magnetic switch used in doors repels each other. The magnetic switches are connected to a microcontroller which in turn activated the relay. Once the relay is activated the solenoid valve connected to the relay will allow the air from compressor to pass through the pneumatic cylinder and the roller will slide down immediately for the passengers to exit the aircraft at emergency situations.