

TITLE OF INVENTION: BUS DOOR CONTROL SYSTEM

ABSTRACT

A door control system for controlling a door of a bus, the door control system comprising: a pneumatic system comprising a directional control valve in pneumatic connection with a double acting pneumatic cylinder and wherein a piston rod of the double acting pneumatic cylinder is mechanically connected to the door and moveable between a first position and a second position to move the door between a closed position and an open position; a first two-way switch in electrical connection with a power supply; a second two-way switch electrically connected to the directional control valve; and an intermediate switch in series connection between the first two-way switch and the second two-way switch, wherein flipping any one of: the first two-way switch, the second two-way switch and the intermediate switch activates the directional control valve to actuate movement of the piston rod from one of: the first position and the second position to another of: the first position and the second position.

[Fig. 1]