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AN AUTOMATIC BUS KNEELING SYSTEM



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TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4

PATENT/ GRANTED NUMBER

- PI 2015703051

▶ TECHNOLOGY OVERVIEW

The present invention disclosed an automatic bus kneeling system based on measured distance between the bus stair and the curb or ground to increase the efficiency of the conventional bus kneeling system in getting in or off passengers comprising of air pump; an air compressor tank; pneumatic solenoid valve; air bags; and a circuit. The circuit is further characterized by comprising of several components that are connected to each other for controlling the operation modes (manual or automatic) of the automatic bus kneeling system.

The circuit comprising of a battery; a three step switch; a lowering solenoid; a lifting solenoid a lamp; a relay of solenoid; a micro switch, a double pole switch; a package of distance meter; a voltage regulator; a relay of distance meter; and a fuse.

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