

The Keyless Entry System for Vehicles

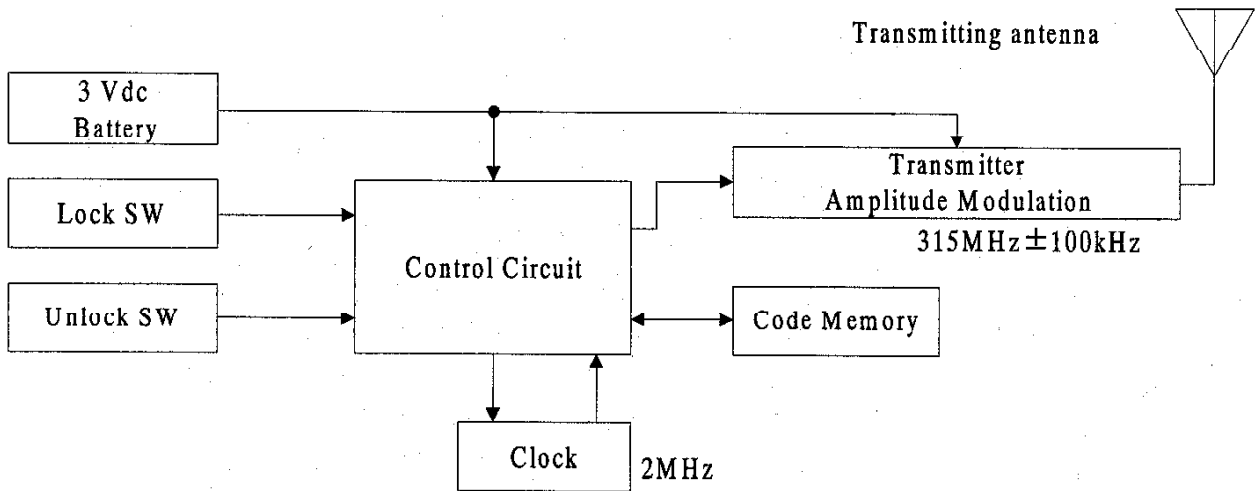
This system is to be installed on motor vehicles as OEM item. It consists of a transmitter (C9483) and a receiver (G7071), that locks and unlocks of the car door by the remote control unit with microwave. The transmitter is very small and is integrated with an ignition key. The receiver has a coil antenna.

The transmitter produces output of ID Code, Control Code and Custom Code by the lock /unlock switching as electric wave signal.

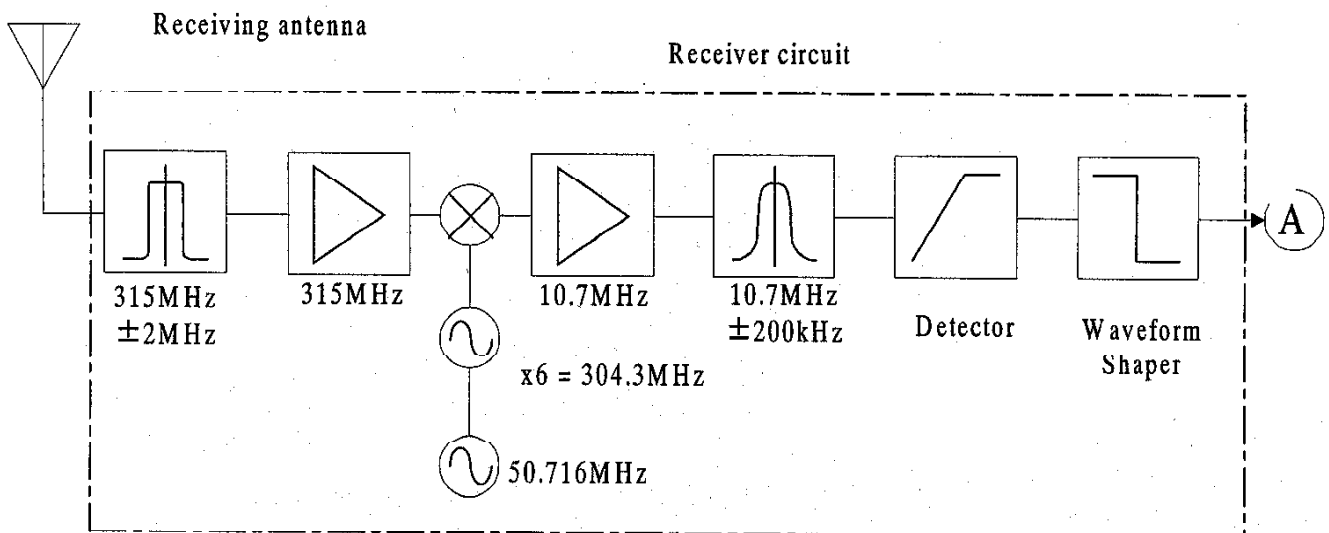
The receiver drives the corresponded actuator to the control code after reception and detection of the electric signal from the transmitter. But it is unable to drive when IG is ON or the door is open.

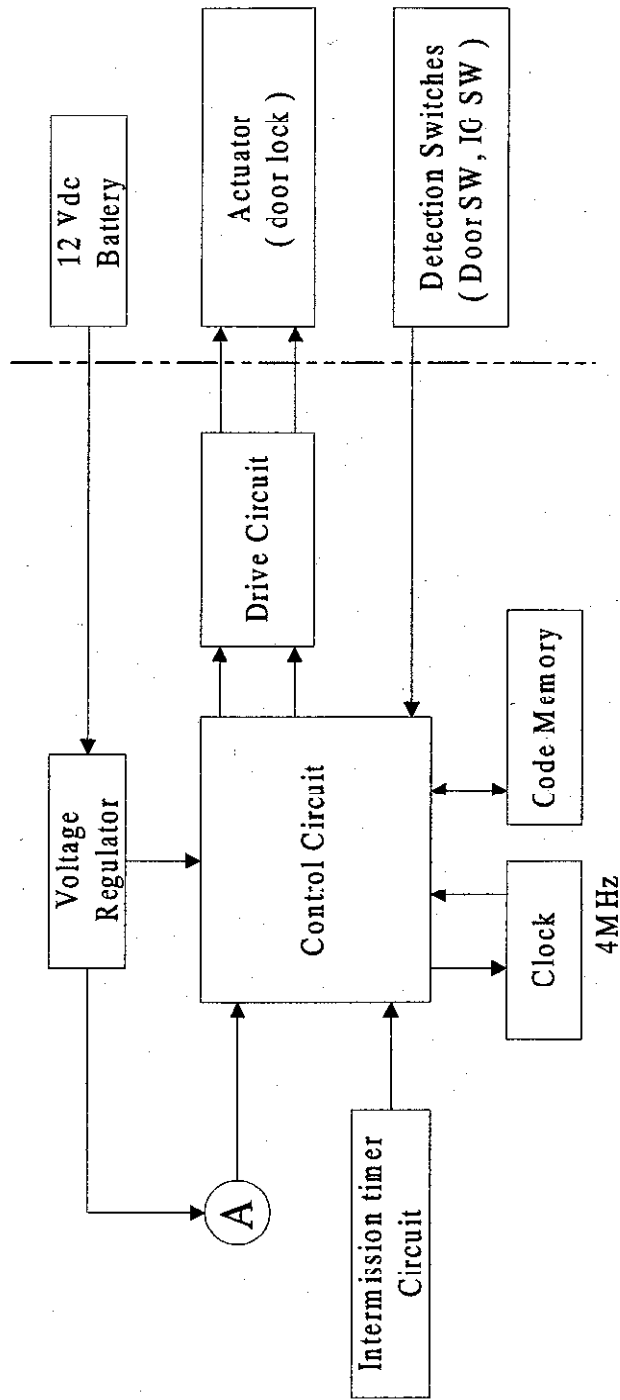
Block Diagram of the Keyless Entry System

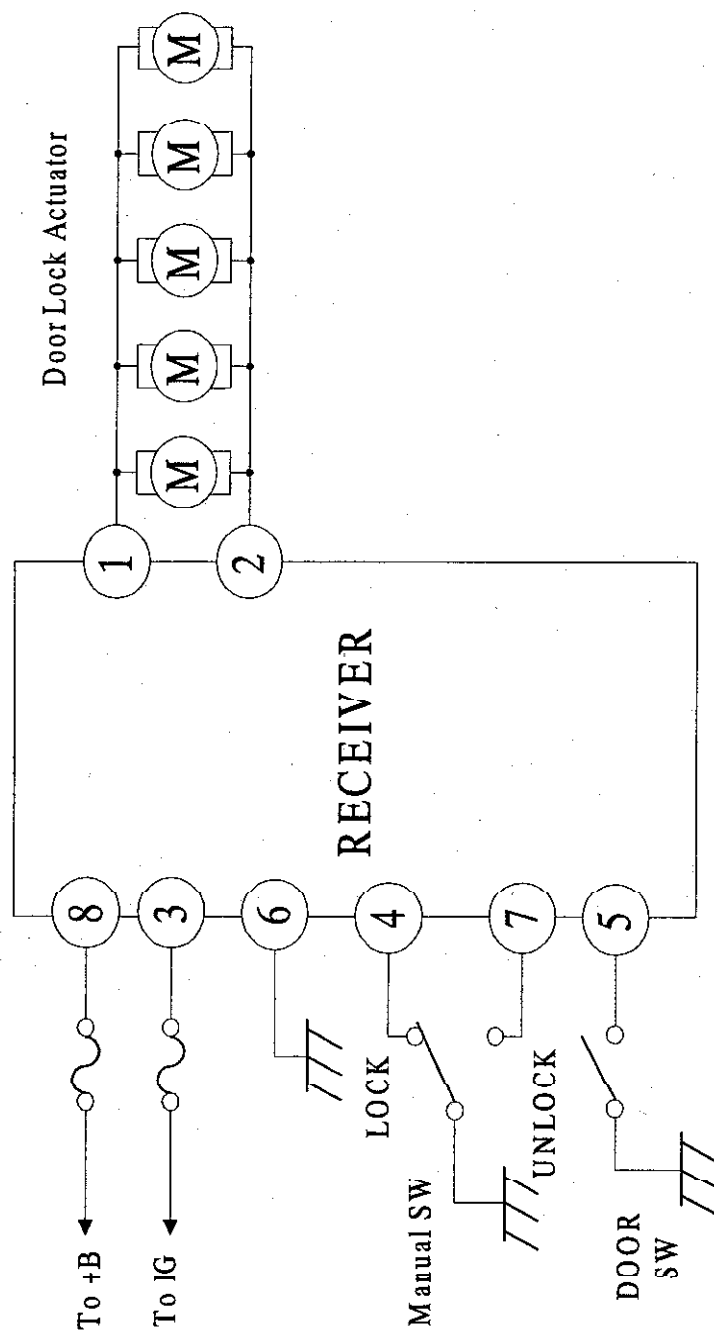
·Transmitter



·Receiver

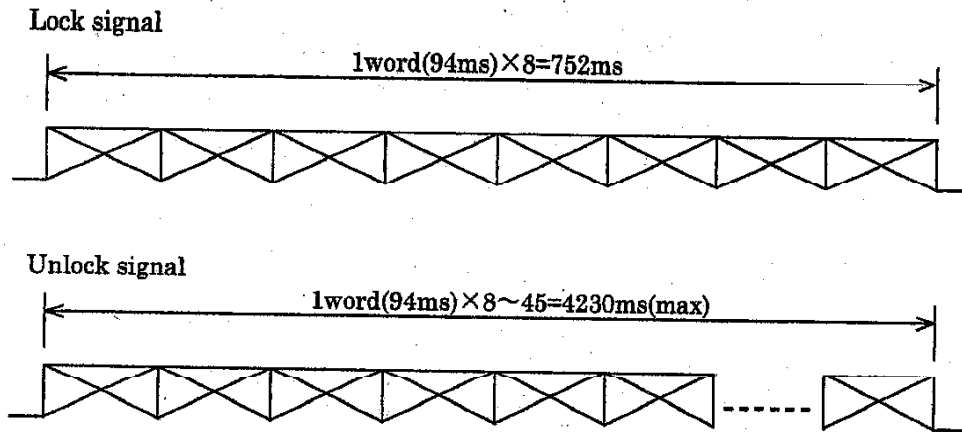






Transmission code format

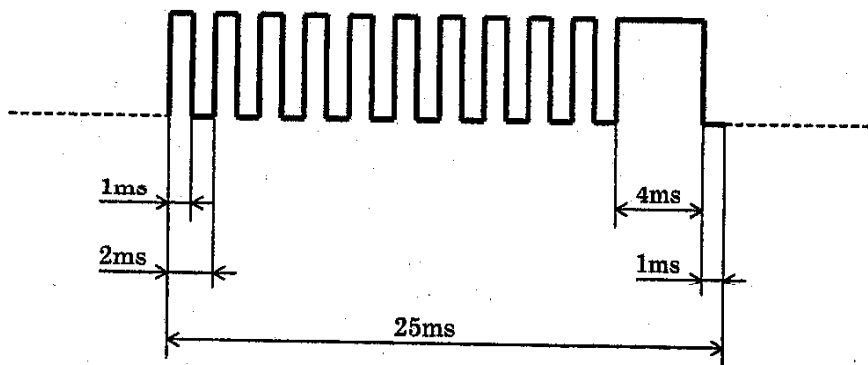
1. Code format



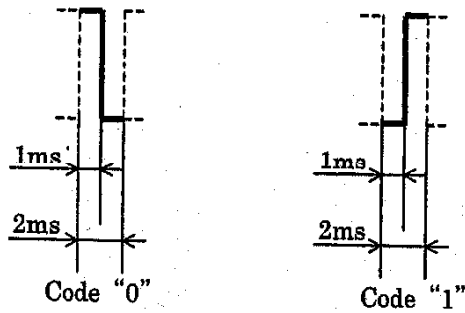
2. A word code format

Start code	ID code(28-bits)	Custom code(4-bits)	Control code(2-bits)	End code
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① Start code



② Code structure



③ Control code

"01" Lock
 "10" Unlock

④ End code

1ms - Low