

ABSTRACT

The present invention provides an electric door-locking apparatus, and an electric door comprising same. The electric door-locking apparatus according to the present invention comprises: a locking switch arranged at a door frame to check the locked status of an electric door body when the electric door body is closed; a screw rotatable in the forward and backward directions; a locking roller guide arranged at the door frame in the vicinity of the screw; and a sliding unit, one end of which is rotatably connected to the screw and the other end of which is connected to the electric door body. The electric door-locking apparatus according to the present invention has a structure which enables simple and easy operation, improves the reliability of the locking function, reduces the risk of failure and erroneous operation, and enables easy manufacture and maintenance to reduce manufacturing costs and maintenance costs as compared to conventional apparatuses.

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