

ABSTRACT

Provided is a door opening and closing system capable of returning to a return state where a catch and a retractable arm are engaged with each other even if the retractable arm is closed completely as a result of incorrect usage such as a prank. A catch has a catch base 11 which is mounted on either one of the door and a frame and a catch shaft 12 which is installed in the catch base 11 slidable in an axial direction and engaged with a retractable arm 4. At a tip end of the catch shaft 12, a small-diameter part 55a is provided as a step part. The step part 55a of the catch shaft 12 and the retractable arm 4 are engaged with each other in a state where the retractable arm 4 is further rotated in the closing direction after a main body part 55b of the catch shaft 12 and the retractable arm 4 are engaged with each other.