CLAIMS

1. A ball valve that comprises a valve body having a flow inlet passage, a flow outlet passage, and a communication portion formed between the passages, a ball having a flow communication passage and installed rotatably around a reference axis in the communication portion of the valve body, and a ball seat having an approximately cylindrical shape with a desired opening formed on a circumferential wall and placed between the ball and the valve body,

wherein the flow inlet passage and the flow outlet passage are opened and closed by rotating the ball around a reference axis,

the ball seat and the valve body are made of different materials, and

a protrusion is formed on the harder component between a bottom of the ball seat and a ball seat support surface of the valve body to bite into the softer component~~.~~,

~~2. The ball valve according to claim 1,~~ wherein the valve body is formed of a material harder than that of the ball seat and the protrusion is formed on the valve body, and a surface of the bottom of the ball seat is a flat surface with no recess corresponding to the protrusion.

~~3~~2. The ball valve according to claim 1 ~~or 2~~, wherein the