

ROTARY-VALVE AND ADSORPTION SEPARATION SYSTEM

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ABSTRACT OF THE DISCLOSURE

10 A rotary valve comprising sliding members for
supplying treatment gas containing water vapor to a
plurality of treatment processes is provided. The rotary
valve comprises sliding members (1, 2; 4, 6), through
which open flow passages (8, 9, 10), having sliding
surfaces slidable to each other and a mechanical seal
mechanism for switching the flow passages (8, 9, 10)
15 while sealing fluid by preliminarily pressing the sliding
surfaces, wherein the sliding surface of each sliding
members (1, 2; 4, 6) is made of hydrophobic material (2,
4) different in hardness from the other.