

PROCESSING WATER REGENERATION EQUIPMENT

ABSTRACT

Processing water regeneration equipment includes a waste liquid treatment apparatus that treats waste liquid discharged from a processing apparatus for processing a workpiece by use of processing water, and a fuel cell apparatus that causes a chemical reaction between hydrogen and oxygen to produce electricity and water. The waste liquid treatment apparatus includes a positive electrode and a negative electrode disposed in a tank for reserving the waste liquid, and a hydrogen production unit that supplies electric power to the positive electrode and the negative electrode to produce hydrogen. The fuel cell apparatus causes a chemical reaction between the hydrogen produced by the hydrogen production unit and oxygen in the air to produce electricity and water, and the electricity and water thus produced are utilized in the processing apparatus.

[FIG.1]