[CLAIMS]

[Claim 1]

A metal recovery system for recovering a metal containing in a solution, including:

a first adsorption part that adsorbs the metal contained in the solution,

a metal detector that detects the metal remaining in the solution ejected from the first adsorption part, and

a second adsorption part that adsorbs the metal contained in the solution ejected from the metal detector,

wherein the metal detector comprises:

a cylindrical tube through which flows the solution containing the metal ejected from the first adsorption part;

a light source that irradiates inside of the tube with light of a complementary color of a liquid color of the solution containing the metal under white light;

a detection part that detects light from inside the tube; and

a control unit that acquires a detection result from the detection part,

wherein the control unit determines whether a metal concentration of the metal contained in the solution is equal to or greater than a predetermined value based on the detection result.

[Claim 2]

The metal recovery system according to claim 1,

wherein the solution containing the metal is a solution containing tetraammine palladium, and diammine dinitrito palladium, and

the complementary color is a blue color.

[Claim 3]

The metal recovery system according to claim 1 or claim 2,

wherein the tube is linear,

the light source is provided to one end of the tube, and

the detection part is provided to another end of the tube.