WHAT IS CLAIMED IS:

1. A method for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising:

adding nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) into the solution containing sulfuric acid and hydrogen peroxide so as to obtain a product solution, the solution having an initial reaction temperature between 45°C and 60 °C while being added by nitric acid,

wherein additional sulfuric acid is added to the solution when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w) such that the weight percent concentration of sulfuric acid contained in the solution after adding the additional sulfuric acid ~~attains to~~ is between 55%(w/w) and 70%(w/w).

2. A method for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising:

adding a processing agent into the solution containing sulfuric acid and hydrogen peroxide so as to obtain a product solution, the solution having an initial reaction temperature between 45°C and 60 °C while being added by the processing agent,

wherein the processing agent comprises nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) and sulfuric acid with a weight percent concentration of 91.0%-97.9%(w/w), ~~and~~ wherein a volume ratio of the solution to the processing agent is 20:1 to 5:1, and wherein additional sulfuric acid is added to the solution when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w) such that the weight

percent concentration of sulfuric acid contained in the solution after adding the additional sulfuric acid ~~attains to~~ is between 55%(w/w) and 70%(w/w).

3. The method as claimed in claim 1 or 2, wherein the weight percent concentration of hydrogen peroxide contained in the solution to be treated is between 0.5% and 10% (w/w), and the weight percent concentration of sulfuric acid contained in the solution to be treated is 45% (w/w).

4. The method as claimed in claim 1 or 2, wherein the product solution contains hydrogen peroxide having a concentration less than 90 ppm.

5. A processing agent for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) and sulfuric acid with a weight percent concentration of 91.0%-97.9%(w/w), wherein the processing agent is added to the solution containing sulfuric acid and hydrogen peroxide when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w), such that the weight percent concentration of sulfuric acid contained in the solution after adding the processing agent ~~attains to~~ is between 55%(w/w) and 70%(w/w).

6. The processing agent as claimed in claim 5, wherein the weight percent concentration of hydrogen peroxide contained in the solution to be treated is between 0.5% and 10% (w/w), and the weight percent concentration of sulfuric acid contained in the solution to be treated is 45% (w/w).

WHAT IS CLAIMED IS:

1. A method for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising:

adding nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) into the solution containing sulfuric acid and hydrogen peroxide so as to obtain a product solution, the solution having an initial reaction temperature between 45°C and 60 °C while being added by nitric acid,

wherein additional sulfuric acid is added to the solution when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w) such that the weight percent concentration of sulfuric acid contained in the solution after adding the additional sulfuric acid is between 55%(w/w) and 70%(w/w).

2. A method for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising:

adding a processing agent into the solution containing sulfuric acid and hydrogen peroxide so as to obtain a product solution, the solution having an initial reaction temperature between 45°C and 60 °C while being added by the processing agent,

wherein the processing agent comprises nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) and sulfuric acid with a weight percent concentration of 91.0%-97.9%(w/w), wherein a volume ratio of the solution to the processing agent is 20:1 to 5:1, and wherein additional sulfuric acid is added to the solution when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w) such that the weight percent

concentration of sulfuric acid contained in the solution after adding the additional sulfuric acid is between 55%(w/w) and 70%(w/w).

3. The method as claimed in claim 1 or 2, wherein the weight percent concentration of hydrogen peroxide contained in the solution to be treated is between 0.5% and 10% (w/w), and the weight percent concentration of sulfuric acid contained in the solution to be treated is 45% (w/w).

4. The method as claimed in claim 1 or 2, wherein the product solution contains hydrogen peroxide having a concentration less than 90 ppm.

5. A processing agent for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution, comprising nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) and sulfuric acid with a weight percent concentration of 91.0%-97.9%(w/w), wherein the processing agent is added to the solution containing sulfuric acid and hydrogen peroxide when a weight percent concentration of sulfuric acid contained in the solution is less than 55%(w/w), such that the weight percent concentration of sulfuric acid contained in the solution after adding the processing agent is between 55%(w/w) and 70%(w/w).

6. The processing agent as claimed in claim 5, wherein the weight percent concentration of hydrogen peroxide contained in the solution to be treated is between 0.5% and 10% (w/w), and the weight percent concentration of sulfuric acid contained in the solution to be treated is 45% (w/w).