CLAIMS

1. A process for purifying leucoindigo salt solutions, for removal of aromatic amines, characterized by comprising the steps of:

(a) adding to a purification vessel a leucoindigo salt solution containing aromatic amines;

(b) bubbling, with a controlled flow rate, an inert gas in the purification vessel on at least three points on the surface of the leucoindigo salt solution, by means of a device submerged at a surface of a stationary mass of the leucoindigo salt solution;

(c) injecting, with a controlled flow rate, an extraction gas current into the purification vessel; and

(d) recovering a leucoindigo salt purified solution from the purification vessel;

wherein the purified leucoindigo salt solution, recovered after step (d), contains undetectable amounts of aromatic amines.

2. The process according to claim 1, characterized by being a process of extraction by stripping.

3. The process according to either one of claims 1 to 2, characterized in that the aromatic amines are aniline and N-methylaniline.

4. The process according to any one of claims 1 to 3, characterized in that the salt of the leucoindigo salt solution of step (a) is chosen from among an alkaline metal salt, or a mixture thereof.

5. The process according to any one of claims 1 to 4, characterized in that the bubbling of step (b) is carried out in order to promote a homogeneous distribution of this gas throughout the equipment section area.

6. The process according to any one of claims 1 to 5, characterized in that the inert gas of step (b) is selected from helium, neon, argon, krypton, xenon, N_2 and H_2.

7. The process according to any one of claims 1 to 6, characterized in that the inert gas of step (b) is fed at a flow rate of 5 to 8 Nm^3/h.

8. The process according to any one of claims 1 to 7, characterized in that the gas purification current of step (c) is live steam.

9. The process according to any one of claims 1 to 8, characterized in that the gas current of step (c) is fed at a flow rate of 500 to 2.000 kg/h.

10. The process according to claim 9, characterized in that the gas current of step (c) is fed by means of a device submerged in the stationary mass, in order to promote a homogeneous distribution of this gas throughout the equipment section area through the bottom of the vessel.

11. The process according to claim 1, characterized by using a vacuum jointly with steps (b) and (c).

12. The process according to any one of claims 1 to 11, characterized by being carried out in the absence of liquid anti-foaming agents, preferably anti-foaming agents derived from silicone.