WHAT IS CLAIMED IS:

1. A cleaning device, comprising:

a cleaning frame;

a cleaning member having one end attached to the cleaning frame and the other end that is a free end, the cleaning member coming into contact with an image bearing member so as to remove a developer remaining on the image bearing member after transfer of the developer image from the image bearing member, the image bearing member being capable of rotating and bearing a developer image which is formed of the developer containing an external additive; and

a sheet member having flexibility, and having one end attached to the cleaning frame and the other end that comes into contact with the image bearing member at an upstream side of a contact position between the cleaning member and the image bearing member in the rotation direction of the image bearing member,

wherein the external additive is an inorganic salt having a charging polarity on the positive side with respect to the developer; and

wherein a work function $\Phi(S)$ of the sheet member, a work function $\Phi(A)$ of the external additive and a work function $\Phi(T)$ of the developer satisfy Expressions (1) and (2):

$$0 \text{ (eV)} \leq |\Phi(A) - \Phi(S)| < 0.57 \text{ (eV)} \quad \text{... (1)}$$

$$\Phi(A) < \Phi(T) \quad \text{... (2)}$$

2. The cleaning device of claim 1,

wherein a direction in which the sheet member extends from the one end toward the other end is substantially identical to the rotation direction of the image bearing member at a region at which the other end comes into contact with the image bearing member.

3. The cleaning device of claim 1 or 2,

wherein a range of contact pressure of the sheet member on the image bearing member is from 8.24×10^{-6} N/mm to 3.05×10^{-2} N/mm; and

wherein, in the rotation direction of the image bearing member, a range of the width of a nip portion formed by the cleaning member and the image bearing member, is from 10 μm to 1000 μm.

4. The cleaning device of any one of claims 1 to 3,

wherein a base material of the sheet member is polyphenylene sulfide (PPS).

5. The cleaning device of any one of claims 1 to 3,

wherein a base material of the sheet member is polytetrafluoroethylene (PTFE).

6. The cleaning device of any one of claims 1 to 5,

wherein the external additive includes particle of strontium titanate.

7. The cleaning device of any one of claims 1 to 6,

wherein the particle of the external additive has a rectangular parallelepiped shape.

8. The cleaning device of claim 7,

wherein a range of number-average particle diameter of primary particle of the external additive is from 50 nm to 300 nm.

9. A process cartridge, comprising:

an image bearing member capable of rotating and bearing a developer image which is formed of a developer containing an external additive;

a cleaning frame;

a cleaning member having one end attached to the cleaning frame and the other end that is a free end, the cleaning member coming into contact with the image bearing member so as to remove the developer remaining on the image bearing member after transfer of the developer image from the image bearing member; and

a sheet member having flexibility, and having one end attached to the cleaning frame and the other end that comes into contact with the image bearing member at an upstream side of a contact position between the cleaning member and the image bearing member in the rotation direction of the image bearing member,

wherein the external additive is an inorganic salt having a charging polarity on the positive side with respect to the developer; and

wherein a work function $\Phi(S)$ of the sheet member, a work function $\Phi(A)$ of the external additive and a work function $\Phi(T)$ of the developer satisfy Expressions (3) and (4):

$$0\ (eV) \leq |\Phi(A) - \Phi(S)| < 0.57\ (eV) \quad \ldots (3)$$

$$\Phi(A) < \Phi(T) \quad \ldots (4)$$

10. An image forming apparatus, comprising:

an image bearing member capable of rotating and bearing a developer image which is formed of a developer containing an external additive;

a transfer member that transfers the developer image borne on the image bearing member to a transferring material;

a cleaning frame;

a cleaning member having one end attached to the cleaning frame and the other end that is a free end, the cleaning member coming into contact with the image bearing member so as to remove the developer remaining on the image bearing member after transfer of the developer image from the image bearing member; and

a sheet member having flexibility, and having one end attached to the cleaning frame and the other end that comes into contact with the image bearing member at an upstream side of a contact position between the cleaning member and the image bearing member in the rotation direction of the image bearing member,

wherein the external additive is an inorganic salt having a charging polarity on the positive side with respect to the developer;

and wherein a work function Φ(S) of the sheet member, a work function Φ(A) of the external additive and a work function Φ(T) of the developer satisfy Expressions (5) and (6):

$$0 \text{ (eV)} \leq |\Phi(A) - \Phi(S)| < 0.57 \text{ (eV)} \quad \text{... (5)}$$

$$\Phi(A) < \Phi(T) \quad \text{... (6)}$$