CLAIMS

1. A radiographic imaging apparatus comprising:
a radiation detector configured to detect radiation transmitted through an object to be examined, and convert the radiation into an electrical signal,
a housing configured to envelop the radiation detector; the housing providing an incident plane that is irradiated with radiation, a reversed plane opposite to the incident plane and a side plane connecting the incident plane and the reversed plane,
wherein an opening is disposed in the reversed plane, and a cover member is detachably attached to the opening, and
one or more sealing members configured to be disposed inside the cover member to seal the opening,
wherein the or each sealing member has the function of reducing a difference in air pressure between the inside and the outside of the housing.

2. The radiographic imaging apparatus according to Claim 1, wherein the housing and at least one sealing member form an air circulation cycle inside the housing.

3. The radiographic imaging apparatus according to Claim 1, wherein at least one sealing member is a valve, which is configured to allow passage of air in a predetermined direction.

4. The radiographic imaging apparatus according to Claim 1, wherein at least one sealing member is a valve, which is opened by a difference in air pressure between the inside and the outside of the housing.

5. The radiographic imaging apparatus according to Claim 1, wherein the or each sealing member has a waterproof function.

6. The radiographic imaging apparatus according to Claim 1, wherein there are at least two sealing members, a first sealing member and a second sealing member, and wherein the first sealing member is disposed along a periphery of the cover member.

7. The radiographic imaging apparatus according to Claim 6, wherein when the cover member is attached to the opening, the first sealing member is brought into contact with a battery holder configured to contain a battery.

8. The radiographic imaging apparatus according to any one of Claims 1 to 5, wherein another of the sealing members is disposed on the housing.

9. The radiographic imaging apparatus according to Claim 8, wherein the other sealing member is disposed along an edge of the opening in the housing.

10. The radiographic imaging apparatus according to Claim 9, wherein the other sealing member is in contact with a battery holder configured to contain a battery.

11. The radiographic imaging apparatus according to Claim 7 or 10, wherein the battery holder has a through hole extending from a space containing the battery to a space inside the housing.

12. The radiographic imaging apparatus according to Claim 1, wherein a further sealing member is disposed on the housing, both sealing members being valves inclined in the same direction.

13. The radiographic imaging apparatus according to Claim 1, wherein the housing includes a front housing and a back housing, and a further sealing member is provided at a connection between the front housing and the back housing for enhancing airtightness between the front housing and the back housing.

14. A radiographic imaging apparatus including:

a radiation detector configured to detect radiation transmitted through an object to be examined, and convert the radiation into an electrical signal,

a housing configured to envelop the radiation detector; the housing providing an incident plane that is irradiated with radiation, a reversed plane opposite to the incident plane and a side plane connecting the incident plane and the reversed plane,

wherein an opening is disposed in the reversed plane, and a cover member is detachably attached to the opening, and

two sealing members, one disposed inside the cover member and the other disposed on the housing, to seal the opening,

wherein both sealing members are valves, which are configured to allow passage of air in a predetermined direction.

15. The radiographic imaging apparatus according to Claim 1, wherein the sealing member is made of silicone.

16. The radiographic imaging apparatus according to Claim 1, wherein the sealing member is formed of a resin material.