CLAIMS:

1. A smoke or fire barrier having a curtain comprising:
    - a head box for housing the curtain, open at its underside to allow the curtain to be deployed and withdrawn;
    - a roller, housed in the head box, for the curtain to be rolled from for deployment and rolled back onto for withdrawal; and
    - a bottom bar attached to the bottom of the curtain for weighing down the curtain when deployed,

    the head box having:
    - one or more apertures for cleaning air circulation and being provided at the or each aperture with
    - a spring loaded trap normally held open by a fusible link, the link fusing in event of fire.

2. A smoke or fire barrier as claimed in claim 1, including means for supplying clean filtered air to be circulated through the head box to keep the head box clean.

3. A smoke or fire barrier as claimed in claim 1 or claim 2, wherein there is only one aperture, in use clean air circulation being drawn into the head box via its opening as clean air from a clean room.

4. A smoke or fire barrier as claimed in claim 1 or claim 2, wherein there are two apertures, one for admission of clean air to the head box and the other for withdrawal of the air from the head box.

5. A smoke or fire barrier as claimed in any preceding claim, wherein the or each aperture will be provided on the topside of the head box with the trap also fitted to the top of the box.

6. A smoke or fire barrier as claimed in any preceding claim, wherein air ducts route the air to and from the or each aperture.

7. A smoke or fire barrier as claimed in claim 6, wherein air duct end fittings are provided to enclose the traps.

8. A smoke or fire barrier as claimed in claim 6 or claim 7, wherein the air ducts will be connected to a clean air circulating system, typically including a filter such as a HEPA or ULPA filter.

9. A smoke or fire barrier as claimed in any preceding claim, wherein the fusible link will be such as to rupture between 57-150°C.

10. A smoke or fire barrier as claimed in any preceding claim, wherein the or each spring loaded trap has a fixed guide, typically formed as a sheet metal pressing, for a moveable trap member, with a spring acting between the guide and the trap member.

11. A smoke or fire barrier as claimed in any preceding claim, wherein the spring loaded trap will include at least two springs.

12. A smoke or fire barrier as claimed in claim 10, wherein the guide has an upstand at one end with the moveable trap member having a complementary upstand and the, or a plurality of, springs acting between them.

13. A smoke or fire barrier as claimed in claim 10, wherein the guide has:

- an abutment for regulating the closed position in the trap; and/or
- an aperture complementary to the aperture on the head box; and/or
- C-shaped channels along its edges to guide the moveable trap member over the apertures.

14. A smoke or fire barrier as claimed in claim 10, wherein the fusible link can be attached to the fixed guide and movable trap member.

15. A smoke or fire barrier as claimed in claim 10, wherein the fusible link can be formed of two portions attached by a fusible material, one portion being attached to the guide and the other portion attached to the trap member to allow closure of the trap member on sufficient temperature rise,

- the two portions of the fusible link are normally held together, but on sufficient temperature rise, the material will melt, releasing the portions of the fusible link and allowing the trap member to close the aperture in the head box.

16. A smoke or fire barrier as claimed in claim 15, wherein the portions can be held together by a material having a low melting point range typically between 57-150°C.