PATENT CLAIMS

1. An automatic spray nozzle arrangement, which comprises a nozzle house with a cavity with an inlet port and an exit opening, where the cavity contains a nozzle body arrangement, which is characterized by that the cavity exit opening is closed with a spherical plate body which is fixed in its position with a locking arrangement with a thermal release element, which is positioned between two locking brackets,

wherein the thermal release element is configured to break down by heat from a fire or heat of an electric resistance element, to cause a holding force of the thermal release element, which holds the brackets in place, to disappear and to cause the spherical plate body to be released.

2. An automatic spray nozzle arrangement in accordance with claim 1, which is characterized by that the end of the thermal release element rests on a spring.

3. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the one end of the thermal release element rests on a the end of a threaded rod.

4. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the spherical plate body forms a seal on the nozzle house cavity opening.

5. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the spherical plate body supply support to the nozzle body arrangement to fixate a seal on the nozzle house inlet port.

6. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the spherical plate body has flaps or fines or air guides on its surface where the thermal release element is located.

7. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the spherical plate body has one or more flaps or fins or air guides which is located in an angle which is less than 180° to the length axel of the heat sensitive element.

8. An automatic spray nozzle arrangement in accordance with any one of the preceding claims, which is characterized by that the spherical plate body has a parallel plate body attached in a distance to the surface of the spherical plate body, which are larger that the diameter or thickness of the thermal release element, and where the thermal re-