

CLAIMS

1. Installed fire extinguishing apparatus, especially for the fire protection of use locations comprising endangered structures separated from each other by spaces, which has a pressure-resistant storage body (10) with an internal space (11) for accommodating the fire extinguishing material composition (1) transportable in a pipeline, at least one dispersion device (3) for applying the fire extinguishing material composition (1), and at least one transport pipeline (20) connected to the internal space (11) of the storage body (10) and suitable for transporting the fire extinguishing material composition (1) from the internal space (11) of the storage body (10) to the dispersion device (3) arranged at the use location (2), where the storage body (10) is formed by a long pipeline (C) or a pipeline (C) that returns on itself that has a straight line main axis (T) or a main axis (T) of another shape, a trigger part-unit (4) is installed in the transport pipeline (20), and the storage body (10) is connected to a filling fitting (6) serving for filling the fire extinguishing material composition (1) or the components of the fire extinguishing material composition (1) into the internal space (11) of the storage body (10), the storage body (10) is coupled with at least one gas vessel (30), the internal space (31) of the gas vessel (30) is connected to the internal space (11) of the storage body (10) with a connection line (32) that permits the flow of medium, the gas vessel (30) and/or the storage body (10) and/or the connection line (32) has a valve (33) that influences the flow of medium between the gas vessel (30) and the storage body (10), **characterised by** that when the fire extinguishing apparatus is in a condition ready for use, more than 94% of the internal space (11) of the storage body (10) is filled with fire extinguishing material composition (1), where the composition (1) has a liquid and a gaseous component, and at least a part of the external surface (12) of the storage body (10) is surrounded by a material that reduces temperature fluctuations (5).

2. Installed fire extinguishing apparatus according to claim 1, **characterised by** that at least one lower point (14a) of the lower delimiting line (14) of the internal surface (13) delimiting the internal space (11) of the storage body (10) is located under the other points forming the section surrounding the lower delimiting line (14) as compared to the horizontal, and at least

one upper point (15a) of the upper delimiting line (15) of the internal surface (13) delimiting the internal space (11) of the storage body (10) is located above the other points forming the section surrounding the upper delimiting line (15).

3. Installed fire extinguishing apparatus according to claim 2, **characterised by** that the connection line (32) of the gas vessel (30) is connected to the internal space (11) of the storage body (10) at at least one position of the storage body (10) established as a pipeline (C).

4. Installed fire extinguishing apparatus according to claim 2 or 3, **characterised by** that a purge fitting (40) is connected to the internal space (11) of the storage body (10) at at least one upper point (15a) of the storage body (10) established as a pipeline (C) or in its environment.

5. Installed fire extinguishing apparatus according to any of claims 2 to 4, **characterised by** that the storage body (10) established as a pipeline (C) is divided into at least two pipeline sections (C1, C2), and sectioning valves (50) influencing the flow of medium between the pipeline sections (C1, C2) are installed between two neighbouring pipeline sections (C1, C2).

6. Installed fire extinguishing apparatus according to claim 1, **characterised by** that the storage body (10) is set up as a vessel.

7. Installed fire extinguishing apparatus according to any of claims 1 to 6, **characterised by** that the storage body (10) is entirely recessed under the ground surface, and so the material layer that reduces temperature fluctuations (5) surrounding the external surface (12) of the storage body (10) is the accommodating earth itself.

8. Installed fire extinguishing apparatus according to any of claims 1 to 6, **characterised by** that on at least a part of the storage body (10) the material layer reducing temperature fluctuations (5) is heat insulation or shield.

9. Installed fire extinguishing apparatus according to any of claims 1 to 6, **characterised by** that on at least a part of the storage body (10) the material layer that reduces temperature fluctuations (5) is a layer of paint at least partially reflecting solar radiation.

10. Installed fire extinguishing apparatus according to any of claims 1 to 9, **characterised by** that the gas vessel (30) is established as a high-pressure bottle.

11. Installed fire extinguishing apparatus according to any of claims 1 to 10, **characterised by** that the transport pipeline (20) is connected to the lower side of the storage body (10).

12. Installed fire extinguishing apparatus according to claim 11, **characterised by** that the transport pipeline (20) is connected to the internal space (11) of the storage body (10) in the lower delimiting line (14) of the internal surface (13) delimiting the internal space (11) of the storage body (10) or in the vicinity of the lower delimiting line (14).

13. Installed fire extinguishing apparatus according to any of claims 1 to 12, **characterised by** that at least one abnormality-detecting body (60) is located at the use location (2).

14. Installed fire extinguishing apparatus according to claim 13, **characterised by** that the abnormality-detecting body (60) has a fire detector.

15. Installed fire extinguishing apparatus according to any of claims 1 to 14, **characterised by** that the use location (2) is a structure at least periodically accommodating combustible material.