## CLAIMS

**1)** A power storage system (1) for an electric drive vehicle, the power storage system (1) comprises:

at least one battery pack (2), which is provided with a plurality of electrochemical cells (5), which are electrically connected to one another;

a container (3), which is provided, on the inside, with a chamber (4) housing the battery pack (2) and is made of a plastic material;

at least one first connector (11), which is mounted on the container (3) and is designed to engage a second connector, from which a thread-like connection element originates; and

a covering casing (7), which is in direct contact with an outer surface (8) of the container (3), is made of a flexible fabric and is designed to thermally insulate and protect the container (3) from fire, since the flexible fabric making up the covering casing (7) is more fireproof than the material making up the container (3) and it has a smaller thermal conductivity compared to the material making up the container (3); wherein the covering casing (7) has a first through hole (12), which is aligned with the first connector (11) and has an area which is equal to or greater than an area of the first connector (11) so as to allow

access to the first connector 11) through the covering casing (7);

the power storage system (1) **is characterized in that:**

the covering casing (7) comprises a patch (13), which is fixed to the rest of the covering casing (7) in a movable manner, is arranged in the area of the first through hole (12) so as to cover the first through hole (12) and has, on the inside, a second through hole (14), which has a smaller area than the first through hole (12) and is designed to be crossed by the thread-like connection element without clearance, namely so that the thread-like connection element occupies the entire second through hole (14);

the patch (13) is movable relative to the covering casing (7) between a lifted position, in which the patch (13) is spaced apart from the rest of the covering casing (7) so as not to obstruct the first through hole (12), and a protection position, in which the patch (13) rests against the rest of the covering casing (7) so as to partially close the first through hole (12); and

the patch (13) has at least one through cut (15), which originates from the second through hole (14) and reaches an outer free edge (16) of the patch (13) so as to assume an open configuration, in which the two flaps (17) of the cut (15) are spaced apart from one another and the patch (13) is

designed to be crossed by the thread-like connection element in order to place the thread-like connection element inside the second through hole (14), and a closed configuration, in which the flaps (17) of the cut (15) partially overlap one another so as to close the cut (15) and delimit the second through hole (14) ensuring that the thread-like connection element adheres to an edge of the second through hole (14) without clearance, namely occupying the entire second through hole (14).

**2)** The power storage system (1) according to claim 1, wherein the covering casing (7) reproduces the shape of the container (3) and is shaped so as to adhere to the container (3) without clearance, namely in direct contact with the container (3).

**3)** The power storage system (1) according to claim 1 or 2, wherein the covering casing (7) comprises first fixing means (18) to fix the patch (13) to the rest of the covering casing (7).

**4)** The power storage system (1) according to claim 3, wherein the first fixing means (18) consist of metal press studs.

**5)** The power storage system (1) according to claim 4, wherein each flap (17) of the patch (13) is provided with its own metal press stud, which is designed to fix the patch

(13) to the rest of the covering casing (7).

**6)** A power storage system (1) according to one of the claims from 1 to 5 and comprising: a first electrical power connector (11), a second electrical signal connector, and a hydraulic connector (19) to allow a cooling fluid to circulate inside the container (3).

**7)** The power storage system (1) according to one of the claims from 1 to 6, wherein the covering casing (7) comprises:

a plurality of stabilization wings (20), each resting on another part of the covering casing (7); and

a plurality of second fixing means (21), preferably metal press studs, to fix each stabilization wing (20) to a corresponding part of the covering casing (7).

**8)** The power storage system (1) according to any one of the claims from 1 to 7, wherein the flexible fabric comprises:

two outer fireproof layers (9) made of nonwoven fabric; and

an inner layer (10), which is interposed between the two outer fireproof layers (9), is made of a fibrous fabric and is designed to provide a greater thermal insulation than the two outer fireproof layers (9).

**9)** The power storage system (1) according to claim 8,

wherein:

the two outer fireproof layers (9) are made of nonwoven fabric reinforced with glass fibres; and

the inner layer (10) is made of a fibrous fabric reinforced with glass fibres.